Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

Volume 137
Number 17

SINCE 1871

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Codliver Oil Supplies for U.S. Curtailed by War in Norway

OPD Washington Bureau
April 17, 1940

Future supplies of codliver oil for the United States may be extremely scarce if European military operations continue to involve Norway, a review of available statistics reveals.

At least 70 percent of United States consumption of codliver oil of medicinal grade has been supplied from sources now cut off, and the development of new sources of either codliver oil or acceptable substitutes would involve considerable time and an increase in price. Norway has been by far the largest supplier, and it is assumed that there will be no more shipments from that country for some time to come. Germany, another large supplier, is no longer in the export market, and England has shut off exports chiefly because the larger fishing boats are kept from the cod fisheries by war activities or are being employed in mine-sweeping or other naval service.

England has arranged to take the entire codliver oil output of Canada, Newfoundland, and Labrador, and France is taking that of its North Atlantic possessions Miquelon and St. Pierre. Smaller amounts from Denmark and other European countries are also cut off by the war. The only remaining sources of any importance are Iceland and Japan, which together have been supplying approximately 30 percent of United States imports during the past few years.

Domestic production is practically nil, for while large quantities of codfish are caught by American fisheries, the return from codliver oil production is so small that few fishermen care to take the trouble to produce the oil. The best codliver oil is produced from fresh-caught fish by rendering plants on the boats, and this requires special equipment and the

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Consumer Movement To Be Analyzed

The Symposiarchs of the Chemists' Club, this city, will turn their analytical attention to the consumer movement at their next session, April 24, in the club. After the topic has been formally presented from several angles, the chemists will discuss and dissect it—their purpose is to get for this important subject better understanding.

The symposium will be opened at 8:15 p. m. It will be preceded by a $2 dinner, starting at 7 p. m. Ladies are invited to attend the affair. Dinner dress will not be required.

Charles G. Durfee will officiate as host. This discussion will be opened by C. B. Larrabee, managing editor of *Printer's Ink*. Various aspects will be presented by Dr. Ruth Ayres, city chairman of the Consumers Section of the League of Women Voters and a member of the National-Consumer-Retailer Council; Preston S. Millar, president of the Electrical Testing Laboratories and of the American Council of Commercial Laboratories, and Howard M. Cool, director of the Division of Consumer Interests of the National Better Business Bureau. The analysis will take up the what and why of the consumer movement, its origin and its objections, its effect on business, and the attitude of business toward it.

Bogert to Be Honored By Chemists' Club May 24

Marston T. Bogert, head of the chemistry department of Columbia University, will be the guest of honor at a dinner to be given by the Chemists' Club, this city, May 24. Dr. Bogert will be presented with a scroll as a memento of his honorary membership. Dr. Bogert, in addition to being a former president and an honorary member of the club, was one of the signers of its original articles of incorporation in 1898.

Drug Groups Discuss Price Plans and Hours

Chicago, Apr. 18, 1940

Price relationships to ease the flow of goods from the manufacturer to the retailer and suggested amendments to the 1938 wage and hour act were the keynote subjects of discussion during the annual series of informal meetings of drug manufacturers and wholesalers here April 17 to 19. Both were discussed exhaustively by the board of control of the National Wholesale Druggists Association the first day of the series and again during the sessions of associated manufacturers and the service wholesale druggists. They were scheduled also for general discussion at the informal joint meeting tomorrow.

At the service wholesale session, attended by representatives of 135 wholesale houses, C. C. Caruso brought up the general price problem and sought to find a middle road between a rigid policy and one sliding sufficiently to meet the requirements of the many specialized services rendered for the manufacturer by the wholesaler and the retailer. The mailing of wholesalers' invoices by retailers to get free goods also claimed considerable attention at this meeting

Suggested parliamentary procedure for modification of the wage and hours

—Continued on page 46

Chain Store Tax Opposed by Many

OPD Washington Bureau
April 18, 1940

Representatives of agriculture, labor, and business continued this week to voice their opposition to the Patman bill which would place a heavy tax on chain stores. The witnesses testified before the house ways and means subcommittee which is conducting hearings, scheduled to last at least another three weeks.

Thomas N. Beavers, president of Peoples Drug Stores, Inc., speaking in general for the chain drug store companies, assured the committee the

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F.D.A. Transfer in Doubt Because of C.A.A. Provision

OPD Washington Bureau
April 18, 1940

Final effectiveness of the President's reorganization order transferring the Food and Drug Administration to the Federal Security Agency will remain in doubt for at least two weeks, since powerful aviation interests are mustering forces to support congressional action to block the plan.

This situation comes about through the fact that the reorganization order is an omnibus affair and makes a dozen different changes in Federal agencies, including transfer of the Civil Aeronautics Authority to the Department of Commerce and abolition of the Air Safety Board. Because Congress must act on the entire reorganization plan No. IV as a unit, and approve or reject but not amend it, the fate of the Food and Drug Administration is tied up with that of the Civil Aeronautics Authority.

Senator Pat McCarren, of Nevada, has introduced a resolution to disapprove plan No. IV, but he has left Washington for ten days or two weeks after obtaining a promise from the senate reorganization committee that no action will be taken until he returns. Practically the entire aviation industry, and particularly the Air Line Pilots' Association, an A. F. of L. affiliate, is opposing the transfer of the Civil Aeronautics Authority, and they are counting on much support from Republican members of Congress, from members who helped draft the civil aeronautics act, and from members generally sympathetic to legislation desired by the A. F. of L. To date a considerable number of members of both house and senate have criticized the C.A.A. transfer and none has defended it. The chief complaint is that the transfer may undo the good work accomplished when Congress set up the authority as an independent unit and took air traffic regulation from the Department of Commerce. Repeated references are made to the number of fatal accidents when the air lines were regulated by the department.

Senate Hearing Planned

A hearing is expected to be held by the senate committee on reorganization within ten days or two weeks on the McCarran resolution to disapprove plan No. IV. At this hearing opponents of the transfer of the Food and Drug Administration and of other details of the plan may appear if they desire, but as yet there is no indication that any organizations in the drug and food fields will care to make an open fight against this phase of the transfer, since most of them appear to be satisfied that the Food and Drug Administration is not to go under the

—Continued on page 30

Technology-Employment Relations Disputed

OPD Washington Bureau
April 18, 1940

Spokesmen for management and for labor in the railroad, telephone, and electrical fields disagreed as to the main cause of unemployment in testimony before the Temporary National Economic Committee as the second week of hearings on the relationship of technological advances to unemployment came to a close. Representatives of management held the depression as the principal reason for the firing of workers; whereas, the labor officials maintained that employers used the benefits of technological improvements to increase unemployment.

James B. Carey, secretary of the C.I.O. and president of the United Electrical, Radio and Machine Workers, pointed out that in his industry employers are getting 37 percent more production than in 1929 out of each manhour worked, but employment is about 16 percent less. Lower prices do not make up for unemployment, he contended, because technological advances destroy purchasing power faster than they cheapen prices.

Existence of much the same situation in the telephone industry was outlined by Paul E. Griffith, president of the National Federation of Telephone Workers. He said that companies in 1938 operated more telephone and supplied more service than in 1929, yet they hired 101,473 fewer employees. He advocated a shorter workday and workweek without reduction in wages.

W. H. Harrison, vice-president of the American Telephone & Telegraph Company, told the committee that

—Continued on page 33

Trucking Rules Issued For Dangerous Articles

OPD Washington Bureau
April 16, 1940

Comprehensive rules and regulations covering the transportation of explosives and other dangerous articles by motor truck were promulgated today by the Interstate Commerce Commission.

The new regulations, prescribed in docket ex parte MC-13, will be effective June 15 as to all interstate transportation by either common carriers or contract carriers by motor vehicle, and supersede all previous regulations on this subject. Wherever possible the requirements are identical with those for shipping the same articles by rail. They cover methods of packaging, invoicing, and labeling also loading and operation of vehicles, and apply to six general classes of articles—explosives, inflammable liquids, inflammable solids and oxidizing materials, corrosive liquids, compressed gasses, and poisons.

The regulations do not apply to private carriers by motor vehicle. In docket ex parte No. MC-3 the commission is now investigating the need for applying safety regulations to private motor carriers, and if this need is found, a separate order will be issued applying these or other regulations to privately operated trucks.

Motor carriers will be required by the regulations to obtain from ship-

—Continued on page 31

Britain Restricts Drug Imports

OPD Washington Bureau
April 15, 1940

The United Kingdom Board of Trade has announced that, effective April 15, the importation of certain medical products will be permitted only under prior license, according to a cable from the American Embassy, London, to the Department of Commerce, April 12. Goods dispatched to the United Kingdom from point of origin before April 15 are exempted from the import licensing requirements.

The medicinal products made subject to import licenses are defined as follows: — Compounded medicinal preparations suitable for use in the internal or external treatment or prevention of human or animal ailments; antigens, antitoxins, sera, toxins, and vaccines; medicinal substances of animal origin ready for use; and surgical catgut.

The "prior license" requirement in the British restrictions on imports of medicinals means that a British importer must obtain an import license prior to ordering the goods from abroad; a separate license is required for each order. In addition to the license the importer must arrange to obtain foreign exchange in advance of the transaction.

Exporters in other countries are warned not to accept orders for products requiring licenses until receiving assurance from the British importer that a license has been obtained for the shipment in question; otherwise the shipment may be subject to confiscation or rejection if the importer fails to receive a license while the goods are en route.

Closing Markets

London Closing Cable

LONDON, April 19, 1940

Carnauba wax quoted 370s. per hundredweight; quicksilver, £42 to £43 per flask in secondhands.

Copper Easier

Smelter price was reported easier at 11⅜c. per pound, producers adhered to the 11½c. basis. Outside market around 11.35c. per pound, while export business was done at 11⅜c. per pound.

Tin Salts Lower

Fractionally lower prices occurred in most tin derivatives late in the week. Soda stannate, 31c. to 34c. per pound; tin crystals, 36½c. to 37c. per pound and anhydrous stannous chloride 45c. to 45½c. per pound. Straits metal closed at 47⅜c. per pound.

Cottonseed Oil Easier

Refined cottonseed oil futures opened firm on Friday, but weakened and declined later. A setback in lard caused selling by local and outside traders. July closed at 7.02c. and September 7.09c. Southern markets for crude oil remained firm.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Glycerin:—A consumption tax of 12 lei per kilo on glycerin imported into or produced in Rumania was established.

Nicotine:—France has restricted the exports of nicotine.

Petroleum:—Rumania has prohibited all exports of petroleum until adequate reserves have been assured for its Army.

Mississippi Proposes Alcohol Import Tax

A bill (H. B. 894) has been introduced in the Mississippi legislature with the purpose of levying a tax or fee on every importation into the State of any "intoxicating liquor," containing more than 4 percent of alcohol by volume, for scientific, sacramental, medicinal, or mechanical purposes. This bill would require for the importation into the State of any sort of alcohol for nonbeverage uses the filing of a bond for $1,000 and the payment of a fee of $2 for a permit valid for only fifteen days.

Mississippi is a prohibition State. It has a law adequately protective of the production, sale, and use of alcohol for nonbeverage purposes. H. B. 894 is assumably a revenue measure, but it is in the hands of the temperance committee of the house. It is considered objectionable by H. E. Howe, executive secretary of the Council of Industrial Alcohol Users, who has advised the scientific and trade groups involved to present opposition to the measure. The Mississippi legislature will be in session until about April 26.

Zinc Institute to Meet In St. Louis April 29-30

At the opening session of the annual meeting of the American Zinc Institute, to be held in the Hotel Statler, St. Louis, April 29-30, an objective discussion of the reciprocal trade agreements program will be introduced by Walter R. Peabody, secretary of the American Tariff League. R. S. Smethurst, assistant counsel of the National Association of Manufacturers, will report upon the legislative situation in Washington. The domestic zinc market and certain aspects of the foreign zinc ore supply will be covered. C. R. Maxon, of the New Jersey Zinc Company, will review the past ten years of progress in zinc alloy die castings.

Technical subjects listed for Tuesday include "Progress in Electrogalvanizing," by J. A. Singmaster; "Developments in Hot Dip Galvanizing," by J. L. Schueler, general superintendent of the Continental Steel Corporation, and the "Differential Density Process," by Elmer Isern, chief metallurgist of the Eagle-Picher Mining & Smelting Company.

Chemical Prices Point Upward

The price emphasis was on the up side last week in the markets for heavy and fine chemicals. Some influence of the spreading war was noticeable, but the movement of the tin and corn groups was homemade.

Uncertainty brought hesitation in many quarters. Seasonal movements were hampered by the weather. Interest in exports was substantially sidetracked.

Prices were advanced on Straits tin, stannous chloride, tin crystals, stannate of soda, cornstarch, tanner's corn sugar, corn dextrin, corn syrup, silicofluoride of soda, strontium chloride, quicksilver, gum turpentine, high grades of gum rosin, domestic egg yolk, tankage, cottonseed meal in the Southeast, domestic dried blood, and hoofmeal at Chicago.

Prices were reduced on Argentine casein, low grades of gum rosin, and cocoabutter.

The REPORTER's composite index number of prices for heavy and fine chemicals was not appreciably moved from 128.7 (100 = average at August, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 91.1, compared with 89.0 at this time last year and 89.4 in 1938.

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Obituaries

Dr. Charles L. Reese

Dr. Charles L. Reese, who retired in 1931 as director of the chemical department of E. I. duPont de Nemours & Co., Wilmington, died

Dr. Charles L. Reese

April 12 in Ponte Verde, Fla., where he was passing the Winter. He was seventy-eight years of age.

Born in Baltimore, Dr. Reese was graduated from the University of Virginia and took his doctor's degree at Heidelberg. On his return to this country he became an assistant in

—*Continued on page* 23

A.C.S. Pure Chemistry Prize Won by Brockway

The American Chemical Society $1,000 prize in pure chemistry has been awarded for 1940 to Dr. Lawrence Olin Brockway, assistant professor of chemistry at the University of Michigan. Presentation of the award will take place at the society's meeting, to be held in Detroit, Mich., September 9-13.

The prize, provided this year by Alpha Chi Sigma, national chemical fraternity, recognizes the outstanding contributions of Dr. Brockway in the determination of molecular structure by electron diffraction methods. The prize is awarded annually to a scientist under thirty-five years of age who has shown unusual promise in original research.

Dr. Brockway was born in Topeka, Kan., September 23, 1907. After early schooling in Wichita, Kan., he attended the University of Nebraska, where he received the bachelor of science degree in 1929 and the master of science in 1930. He took the Ph.D. degree at the California Institute of Technology in 1933. In 1937-38 he held a fellowship of the John Simon Guggenheim Memorial Foundation and worked at the Dyson-Perrins Laboratory at Oxford University.

Bureau of Mines Offering 3 Research Fellowships

To assist in the development of mining and related industries and to encourage research on problems of interest to such industries, the Bureau of Mines, United States Department of the Interior, in cooperation with the University of Maryland, offers three fellowships for postgraduate work and research for the academic year 1940-41.

The holders of the fellowships become candidates for the degree of doctor of philosophy from the University of Maryland and give about half their time to research work under the direction of specialists in the Bureau of Mines in the Eastern experiment station adjoining the campus of the University of Maryland. The fellowships carry remission of tuition fees and in addition pay the holder $600 per year.

One of the fellowships will be assigned to research in the metallurgical division of the Bureau of Mines, a second in the nonmetals division, and a third in the coal division. The fellowships are open to graduates of universities and technical colleges who

—*Continued on page* 29

A.D.M.A. Program Has Broad Scope

A still broader scope of topics of timely interest is evident in the program for this year's meeting of the American Drug Manufacturers Association. Special attention has been given to the matter of addresses, and the technical aspects of the meeting will be of more than usual interest.

The meeting will be held May 5 to 9 in the Greenbrier hotel, White Sulphur Springs, W. Va. The schedules for the several days' activities are as follows:—

Sunday, May 5

Entertainment

8:00 p.m., concert by hotel orchestra in diningroom.

9:15 p.m., moving pictures in the auditorium.

Monday, May 6

Scientific Section

First session, 9 a.m. to 1 p.m. Second session, 2 p.m. to 5. p.m.

R. J. Fosbinder, Chairman

Alkaloid and drug standards, D. M. Copley.

Analytical assay methods, J. B. Fullerton.

Chemical tests and standards, L. A. Watt.

Crude and milled drugs, William J. Stoneback.

Digestive ferments and glandular products, Frederic Fenger.

Drug extracts, F. E. Bibbins.

Pharmacological assays, Marvin R. Thompson.

Synthetic organic chemicals, E. H. Volwiler.

Vitamin assays, A. D. Holmes.

Catalog simplification, Ward J. Rice.

Contact committee, F. O. Taylor.

Hydrogen-ion concentration, George A. Bancroft.

Address, "The Present Status of the Chemistry of Natural Products," Dr. Roger Adams, Department of Chemistry, University of Illinois.

—*Continued on page* 48

Dr. Pennington Wins F.P. Garvan Medal

The Francis P. Garvan Gold medal to honor an American woman for distinguished service in chemistry has been awarded to Dr. Mary E. Pennington, of this city, by the American Chemical Society. Presentation of the award will be made at the annual meeting of the society, to be held in Detroit, Mich., September 9-13.

Dr. Pennington is nationally known as consultant and investigator in the field of perishable foods and refrigeration. Born in Nashville, Tenn., in 1872, Dr. Pennington received the Ph.D. in chemistry at the University of Pennsylvania in 1895. Immediately afterward she held fellowships, first at the University of Pennsylvania and later at Yale University. From 1898 to 1906 she was director of the chemistry laboratory of the Women's Medical College of Pennsylvania.

Dr. Pennington was chief of the Philadelphia food research laboratory of chemistry and bacteriology of the Bureau of Chemistry, U. S. Department of Agriculture, from 1908 to 1919. In the latter year she became manager of the research and development division of the American Balsa Company. In 1923 she left this position to organize her own consultation work.

Tanners' Council to Hold Spring Meeting May 9-10

The Spring meeting of the Tanners' Council will be held in the Greenbrier, White Sulphur Springs, Va., May 9-10. Business sessions will be held in the morning, with the afternoons devoted to golf and other outdoor activities.

Harold Connett, chairman of the board will speak on "Today's Problems"; Victor G. Lombard, chairman of the Washington committee, "Legislation Affecting the Leather Industry"; Fred O'Flaherty, research laboratory director, "Research for You"; Irving R. Glass, economist for the council, "Protection of Tanners' Capital in Wartime"; Edward L. Drew, statistician for the council, "Lost Leather Markets"; Merrill A. Watson, executive vice-president, "Better Tanners' Trade Conditions."

Logan-Walter Bill Approved by House

OPD Washington Bureau
April 18, 1940

The house today passed and sent to the senate the Logan-Walter bill to provide a uniform administrative procedure to all except a few exempted Federal agencies.

The bill, which was opposed by the administration forces, would require hearings on all regulations and orders and on requests for changes in these, and also provides full appeals to the Federal courts against actions of regulatory agencies.

The bill was drafted by the American Bar Association, and opponents claimed it would tie the hands of administrative agencies with countless hearings, appeals, and lawsuits; while advocates maintained it is needed to curb bureaucracy and make regulatory bodies follow uniform and judicial methods.

Drug Labels Discussed By Contact Group

OPD Washington Bureau
April 17, 1940

Problems of labeling drug products to comply with the food, drug, and cosmetic act were discussed here yesterday and today at a meeting of the Joint Contact Committee of the American Drug Manufacturers Association and the American Pharmaceutical Manufacturers Association.

The committee received a report from its medical advisory committee discussing the warning statements for a variety of preparations suggested by the Food and Drug Administration in a letter to its field force December 29. This report was not made public and no formal action was taken on it, but it was discussed at length and referred to the executive committees of both associations. Persons attending said that the subject of warning labels was discussed from many angles but that no conclusions were reached except that for the time being members are being advised to follow the suggestions made by the Food and Drug Administration.

Vegetable Oil Exports Hampered by War

OPD Washington Bureau
April 18, 1940

Exports of American vegetable oils, oilseeds, and oilcake are expected to suffer through the spread of the European war to Scandinavia. The Scandinavian countries, the low countries, and the United Kingdom have been the principal European purchasers of these products.

Word that Denmark has prohibited further manufacture of oleomargarin should not in itself have a great effect on U. S. export trade because further shipments are practically out of the question since German occuptation of that country, and the only important Danish purchases in the edible oil field have been soybeans. Large quantities of American soybeans have been purchased by Denmark through Canada during the past year, and in the early months of 1940 sizeable shipments were made direct. Denmark, however, has been a heavy buyer of oilcake and oilmeal for feedstuffs for its large dairy industry.

The virtual stoppage of trade with the entire Scandinavian region, including Finland, as a result of the war closes export markets for considerable quantities of coconut, cottonseed, and soybean oils as well as for soybeans and oilcakes. Exports to those countries in 1939 included:—

	Pounds.
Coconut oil	9,107,790
Cottonseed oil	1,435,651
Lard	3,769,809
Oleostock	4,893,565
Other cooking fats	536,662
Soybean oil	1,707,165
	Tons.
Soybeans	13,793
Oilcakes and meals	21,825

Turpentine Producers Review Progress Recorded in 1939

Valdosta, Ga., Apr. 17, 1940

The 1940 governmental loan on naval stores and the exemption of turpentine producers as agriculturists from Federal and State social security taxation were matters of particular interest before the American Turpentine Farmers Association Cooperative in its fourth annual meeting here today. Closely competing in the attention got from the producers was the association's advertising campaign for the promotion of the use of turpentine.

These interesting matters, along with others, were presented in the presidential address of Harley Longdale, whose gratification with the progress during the past year was shared heartily by all in attendance. In the opinion of Mr. Longdale the 1940 crop loan covering the entire production will not only be of vital assistance to the industry but may prove its very salvation in the face of the closing of export markets by the spreading of the European war.

Mr. Longdale reported that the United States Circuit Court of Appeals in New Orleans had upheld last Monday the Federal district court in the decision that turpentine producers were exempt from the Federal social security act. This decision, which runs retroactively from January 1, this year, when amendment of the act exempted the producers, would, he said, relieve the industry of a $900,000 tax burden. Exemption from State security laws, Mr. Longdale said, had been obtained in Alabama, Georgia, and Mississippi, and he believed that the decision of the Federal court would bring also exemption in Florida and South Carolina.

Mr. Longdale felt that the association's advertising campaign had already been markedly beneficial and that it would go far in the next few years toward solving the problems of the industry. The past year's increase in domestic consumption of turpentine was in large part attributable, he said, to the influence of the advertising, and in support of this opinion he cited the enormous increase in shipments of turpentine in AT-PA cans. Sixteen canning plants are now in operation in the country, he reported, and he was confident that the carryover of turpentine would be wiped out this year.

Concerted action to promote consumption of rosin was urged by Mr. Longdale, and he quoted C. F. Speh, chief of United States naval stores research, in exposition of the possibilities which lay ahead in the reducing of production costs, the standardization of products, the knowing of consuming needs, and the modernization of distribution. He also quoted Mr. Speh with reference to the promise in research to develop turpentine gum as a chemical raw material.

The organization re-elected its officers, as follows:—President, Harley Longdale, Valdosta, Ga.; vice-president, R. M. Newton, Wiggins, Miss.; secretary-treasurer, W. E. Spiers, Valdosta.

Others elected as directors are J. B. Davis, Camilla, Ga.; J. E. Dyal, Baxley, Ga.; W. H. Leonard, Blounstown, Fla.; J. T. Miller, Palatka, Fla.; R. M. Reynolds, Bainbridge, Ga.; W. L. Rhodes, Estil, S. C.; and M. C. Stallworth, Mobile, Ala.

P.P.G. Names Peck General Paint Manager

Elbert D. Peck has been appointed general manager of the Pittsburgh Plate Glass Company, succeeding James E. Ingram, who is retiring from service because of ill health. His appointment becomes effective May 1, 1940.

Mr. Peck has been actively identified with the paint industry since 1907. Prior to joining the Pittsburgh Plate Glass Company last year, Mr. Peck had been vice-president and general manager of Devoe & Raynolds Company. He became affiliated with the Devoe & Raynolds organization upon his discharge from the army in 1919. Previous to joining the army during the World War, Mr. Peck had been associated with the Acme White Lead and Color Company.

Elbert D. Peck

Mr. Ingram has been associated with the Pittsburgh Plate Glass Company since 1913 when he took a position as stenographer at the Dallas warehouse. He became paint manager at Houston in 1917 and a special representative in 1920. In 1926 he became manager of the company's Atlanta warehouse. He came to the general office in 1920. Mr. Ingram will devote his future time to farming.

Silicosis Claims Written Into N.Y. Compensation Law

Albany, Apr. 17, 1940

Governor Lehman has approved the Wilson bill, which amends the workmen's compensation law to provide that exposure to hazards of harmful dust for sixty-day period after September 1, 1935, shall be presumed to be an injurious exposure for purposes of workmen's compensation.

It also sets up a committee of expert consultants for all claims on account of silicosis or other dust diseases, findings of the committee to be prima facie evidence of fact; increases from $3,000 to $5,000 aggregate compensation which may be paid; increases to 360 days additional period of medical treatment or hospitalization, and appropriates $25,000.

F.P.V.P.C. Offers Prizes For Technical Papers

In an effort to promote interest in practical and research problems of the industry and to develop a trained personnel, the Federation of Paint and Varnish Production Clubs is offering two prizes of $150 each for the best papers on paint and varnish subjects. The contest closes June 30, 1941. The prizes will be awarded at the annual convention of the federation in October. Some of the conditions of the contest are:—

There will be two prizes of $150 each; one for undergraduate students and one for graduate students.

The papers should be on some subject of interest or importance to the paint and varnish industry and may be on either practical problems of the industry or on research problems.

The contest will be open to undergraduate students and graduate students of any college, university or technical school in the United States., Canada or England.

Both prizes will be awarded no matter how many papers are sent in and no matter what the committee considers the quality of the papers.

At least two copies of the paper must be submitted.

Papers previously published will not be eligible for the prize.

The prize will be given to the paper and if there is more than one author, the authors should make their own arrangements in regard to dividing the prize money.

A Guaranty of MERCK Purity & Reliability

More than a Million

"Ten years ago 54 per cent of pellagra patients admitted to hospitals in this country died. Last year more than one million persons contracted this disease with no deaths."

—Spies, T. D.: Treatment of pellagra and associated deficiencies. Read at Interstate Post-Graduate Medical Assembly, Chicago, 1939.

Pellagra, for which nicotinic acid is specific, still remains one of the most serious deficiency diseases in the United States, from the standpoint of number of persons affected and economic losses entailed. Of even greater significance are the mild and subclinical deficiencies which have been found to be much more numerous than cases of classic pellagra.

Nicotinic Acid Merck—which conforms to all tests for identity and purity of Nicotinic Acid as described in the Second U.S.P. XI Supplement—meets the pharmaceutical manufacturer's most exacting requirements. It is soluble in water and alcohol, stable in air, non-hygroscopic, and may be autoclaved without loss of activity.

NICOTINIC ACID MERCK

Also Available: Nicotinic Acid Amide Merck

The relatively low cost of Ascorbic Acid Merck permits its use in a variety of pharmaceutical products, and its brilliant white color is a distinct asset in the manufacture of straight vitamin C tablets or combinations in which a clear white color is essential.

ASCORBIC ACID MERCK
(U.S.P.)

VITAMIN B_1 CRYSTALS MERCK
(Thiamine Hydrochloride U.S.P.)

The widespread deficiency of this important vitamin in modern diets and its expanding use in various clinical conditions have combined to create a demand which gives every indication of assuming unprecedented proportions.

The importance in human nutrition of this member of the vitamin B complex is rapidly being established and it appears that riboflavin deficiency may not be an uncommon occurrence in human beings.

RIBOFLAVIN MERCK
(VITAMIN G; VITAMIN B_2)

VITAMIN B_6 HYDROCHLORIDE MERCK

This newly synthesized member of the vitamin B complex has recently been found to be effective in relieving symptoms of a deficiency disease in human beings.

MERCK—A Dependable Source of Pure Crystalline Vitamins

MERCK & CO. Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

New York • Philadelphia • St. Louis • In Canada: Merck & Co. Ltd., Montreal and Toronto

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Current Market Quotations

April 19, 1940

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoactanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07½- —
l.c.l., dms., dlvd.....lb. .08 - —
tanks, dlvd.....lb. .06 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Texas E. of Austin and Brownsville...lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys. .....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
tanks .....100 lbs. 5.00 - —
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.25 - 2.50
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, dlvd., ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
sks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.108.00 -113.00
powd., bbls., contracts, 80 tons, dlvd..ton.111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., dlvd.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -123.00
USP, $25 per ton higher.

Acid, butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .14 - .14½
Caproic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17 - .17½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .15¼- —
l.c.l., 5 tons, dlvd. N. Y. lb. .15¾- —
dms., smaller quantities, dlvd. N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10-000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10½- .11
Corn, dist., dms.....lb. .09 - .09½
Cottonseed oil, dist., dms....lb. .08½- .09
tanks .....lb. .08 - —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equld..gal. .68 - —
l.c.l., same basis.....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equld..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .68 - —
l.c.l., same basis.....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .71 - —
l.c.l., same basis.....gal. .73 - —
imported, pale, dms....gal. .70 - .75
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S...gal. .40 - —
l.c.l., same basis....gal. .41 - .42
tanks, dlvd., East U.S..gal. .389 - —
medium-boil (222°-240°), non-return dms., c.l., works, East. U.S..gal. .46 - —
l.c.l., same basis....gal. .47 - .48
tanks, dlvd. East U.S..gal. .448 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys, f.o.b. works, c.l...lb. .10½- —
l.c.l., 25 and over..lb. .11 - —
1-24 .....lb. .11½- —
Fumaric, bbls., 1 ton delivery.. lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N. F., VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs. or cbys.....lb. .17 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
lead cbys.....lb. .08 - .08½
48%, lead cbys.....lb. .10½- .11
52%, lead cbys.....lb. .11½- .12
60%, lead cbys.....lb. .14 - .14½
Hydrofluosilic, 30-35%, 420 lb. bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys, works.....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade.....lb. .12¼- .13½
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade.....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½

Acid, lactic, USP, XI, 85%, cbys, lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .13½- .14
Laurent's, bbls.....lb. .42 —
Linseed oil, dark, dms.....lb. .12½- .13
light, dms.....lb. .13¼- .13¾
extra white, dist., dms...lb. .14¼- .14¾
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
dms., l.c.l.....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works.....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
29°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works.....100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works.....100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P. dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .18¼- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .18¼- .18¾
Naphthenic, dom., acidity, 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., dms., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min., dms., c.l., works..lb. .09 Nom.
l.c.l., dms., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240, dms., c.l., works.....lb. .10 Nom.
l.c.l., dms., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.15.00 -15.50
5-lb. bots.....lb.16.50 - —
1-lb. bots.....lb.17.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works.....100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works.....100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works.....100 lbs. 7.45 - —
C.P., USP, dealers, cbys....lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .07 - .07½
tanks .....lb. .06½- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns. .....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.25 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works.....lb. .27 - —
l.c.l., dms., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP. bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....gal. .09¼- .09¾
Stearic, dist., double pressed, bgs., dlvd..lb. .10½- .11½
single pressed, bgs., dlvd.lb. .10 - .11
triple pressed, bgs., dlvd.lb. .13¼- .14¼
saponif., double pressed, bgs., dlvd..lb. .10¾- .11¾
triple pressed, bgs., dlvd.lb. .13½- .14½
Succinic, bbls.....lb. .75 - —

Acacia—Alcohol

Acid, sulphanilic, CP, bots., works, lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.30 - —
10 to 24, works.100 lbs. 1.60 - —
1 to 9, works.100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works.100 lbs. 1.85 - —
1 to 9, works.100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works...ton.36.00 - —
Tannic, tech., bbls., dms....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs.....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment, lb. .37¼- —
smaller quantities.....lb. .37¾- —
kgs. .....lb. .38¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungsten, CP, kgs., works...lb. No prices
Chem. grade, kgs., works..lb. No prices
Aconite leaves, bls.....lb. .26 - .30
Root, bls.....lb. .30 - .35
Aconitine, amorph., bots.....oz.25.00 - —
vls. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vls. .....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .30 - .31
hyd., dms.....lb. .29 - .30
Agar, 1, bls.....lb. 1.45 - 1.50
3, bls.....lb. No prices
Agaric, white, bls.....lb. 5.00 - 5.25
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .58 - .62
import, bgs.....lb. .60 Nom.
egg, ed., dom., cryst., bbls..lb. .53 - .59
dom., powd., dms., bbls..lb. .58 - .64
import, cs.....lb. .60 - .62
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
normal, l.c.l., dms., wks...lb. .25 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works..lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld....lb. .09½- —
Contract prices 1c. per gal. less.
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
import, 85%, 100-lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l, 350-lb. dms.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .29½- —
19 bbls., E. works...gal. .31½- —
1 to 18 bbls., E. works, gal. .34½- —
dms., c.l., E. works....gal. .28½- —
19 dms., E. works...gal. .30½- —
1 to 18 dms.....gal. .33½- —
tanks, E. works.....gal. .22½- —
Anhydrous 3c. per gal. higher.
SD-2B., dms., c.l., works, E. gal. .26½- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E. works.....gal. .20½- —
SD23G, works, E., c.l., dms., gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks .....gal. .20½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Alcohol—Black, Bone

Alcohol, special solvent, dms., c.l., E. works..gal. .29½ - —
20 dms., E. works..gal. .31½ - —
1 to 10 dms.....gal. .34½ - —
tanks, E. works.....gal. .23½ - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½ - —
cns., works.....lb. .16½ - .18½
tanks, dlvd.....lb. .11 - —
tech., dms., c.l., dlvd.....lb. .11½ - —
l.c.l., dlvd.....lb. .12 - —
cns., works.....lb. .16 - .18
tanks, dlvd.....lb. .10½ - —
Ethyl, 190 pf., ex. molasses, bbls., c.l..gal. 4.55 - —
19 bbls.....gal. 4.58½ - —
1 to 18 bbls.....gal. 4.61½ - —
dms., c.l.....gal. 4.54 - —
19 dms.....gal. 4.57½ - —
1 to 18 dms.....gal. 4.60½ - —
tanks .....gal. 4.48 - —
absolute, dms., c.l.....gal. 4.81½ - —
19 dms.....gal. 4.85 - —
1 to 18 dms.....gal. 4.88 - —
Grain alcohol 25c. gal. higher.
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b., dest..gal. .65 - —
55 gal., c.l., same basis, gal. .33½ - —
l.c.l., same basis....gal. .38½ - —
tanks, frt. alld.....gal. .28½ - —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis....gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cans.....lb. 2.50 - 3.25
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y., lb. .44 - —
450 lb. lots, same basis....lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .28 - .29
Aloe, Cape, cs.....lb. .20 - .21
Curacao, cs.....lb. .44 - .45
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .40 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .41 - .42
peeled, bls.....lb. .43 - .44
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N.Y., Phila..100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N.Y., Phila..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N.Y., Phila..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point. dlvd N. Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works, 100 lbs. 3.75 - —
dlvd. N. Y., Phila..100 lbs. 3.75 - —
lump, bbls., works.....100 lbs. 4.00 - —
dlvd. N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .35 - —
1 to 9 bbls., dlvd....lb. .40 - —
smaller containers, dlvd, lb. .50 - —
soluble, bbls. dlvd....lb. .33 - —
smaller containers, dlvd, lb. .45 - —
solut., 32%, bbls., c.l., dlvd..lb. .09½ - —
10 bbls. or over, dlvd, lb. .11 - —
1 to 9 bbls., dlvd..lb. .12 - —
normal, pwd., bbls., dlvd, lb. .22 - —
smaller containers, dlvd, lb. .35 - —
solut., 20%, bbls., c.l, dlvd..lb. .08 - —
10 bbls., or over, dlvd.., lb. .08½ - —
1 to 9 bbls., dlvd....lb. .09 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., dms., works.....lb. .06½ - —
solution, 32 deg., cbys., c.l., works..lb. .02¾ - —
l.c.l., cbys., works.....lb. .03¼ - —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½ - —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½ - —
bbls., c.l., dlvd.....lb. .12½ - —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½ - —
open order.....lb. .17½ - .20

Alumina Palmitate, precip., bbls., lb. .20½ - .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l. .....lb. .20 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
Alumina sulphate, com'l, bbls., **l.c.l., works, frt. equaled. 100 lbs.** 1.60 - —
Iron-free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works...100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum 98-99%, c.l.....lb. .19 - —
l.c.l. .....lb. .20 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .62 - —
ink, dms., 1,500 lbs.....lb. .72 - —
standard, dms., 1,500 lbs..lb. .39 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .56 - —
standard, dms., 1,500 lbs..lb. .56 - —
rubber compound, dms., 1,500 lbs..lb. .39 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
standard, dms., 1,500 lbs..lb. .39 - —

Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....oz. 17.00 -26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .28
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works.lb. .04½ - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y.lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05¼ - —
dms., c.l. .....lb. .02¾ - —
l.c.l. .....lb. .02½ - —
tanks (on NH_3 content), f.o.b. works.....lb. .04 - —
Benzoate, dms., 4,000 lbs. or more..lb. .40 - .42
1,000 lbs. to 3,900 lbs....lb. .41 - .43
900 lbs. or less.....lb. .42 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs. or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0556- —
kgs., same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½ - .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kegs .....lb. .36 - —
Carbonate, lump, bbls., dlvd., Met. N. Y..lb. .08 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .13½ - —
powdered, 1c. per lb. higher,
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .85 - —
cns .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .17 - .19
Persulphate, kgs., dom.....lb. .21 - .22
imported, kgs.....lb. .18 - —
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½ - —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. No prices
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼ - —
l.c.l. .....lb. .09 - .10
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, imp., bbls., ex-dock N.Y..lb. .11½ - .12
Stearate, anhydrous.....lb. .24½ - —
paste .....lb. .06½ - —
Sulphate, dom., bulk, c.l., f.o.b. shipt..ton. 28.00 - —

Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .12 - .13
tanks, dlvd.....lb. .07½ - —
red, 48%, cbys., works.....lb. .07½ - —
dms., works.....lb. .05½ - —
yellow, 33% cbys., works..lb. .07½ - —
dms., works.....lb. .05½ - —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.00 - 5.15
import, csks. .....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½ - —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½ - —
cns., works.....lb. .17 - .19
Amyl, acetate, ex Pentane, dms., c.l., frt. alld..lb. .10½ - —
l.c.l., frt. alld.....lb. .11½ - —
tanks, frt. alld.....lb. .09½ - —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works..lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works.lb. .26 - —
Amylene, dms., c.l., works....lb. 1.02 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .25 - .26
import, natural, bls.....lb. .70 - .75
twisted, bls.....lb. .95 - 1.25
Angostura bark, bls.....lb. .28 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½ - —
Salt, dms., works.....lb. .22 - .24
Anise, Cypress, bgs.....lb. .15¼ - .15⅝
Mexican, bgs.....lb. .13 - .13½
Spanish, bgs.....lb. .27 - .27½
Star, bgs.....lb. .15 - .15½
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½ - .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Meal, spot.....lb. .14 Nom.
Needle, powd., kgs.....lb. .18 Nom.
Oxide, bgs., c.l.....lb. .11 - .15
l.c.l. .....lb. .15¾ - —
Salt, 65%, kgs.....lb. .42 Nom.
White pigment, bgs., f.o.b. Laredo, Tex..lb. .13 - .16
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .13 - .16
Arecoline hydrobromide, bots..oz. 5.00 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. .40 - .42
Root, bls.....lb. .49 - .51
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½ - .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. .17½ - .18
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾ - —
Asafetida, cs.....lb. .33 - .34
powd., bbls., bxs.....lb. .56 - .57
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons). Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 14.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½ - —
smaller lots, f.o.b. plant, lb. .05½ - —
process form, bgs., 20 tons, f.o.b. plant.....lb. .05 - —
smaller lots f.o.b. plant..lb. .06 - —
California, dms., c.l., f.o.b. N. Y..ton. 29.00 - —
l.c.l., f.o.b. N. Y.....tan. 36.50 - —
Cuban A, bgs, c.l., f.o.b. N.Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points.. ton. 32.00 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 32.90 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton. 58.00 - —
Jet., bgs., c.l., Western shipping points..ton. 30.50 - —
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton. 12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½ - —
N Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 5.75 - 6.00
Sulphate, bots.....oz. 4.00 - 4.75

B

Balm of Gilead buds, bgs.....lb. .45 - .50
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton. 45.00 -47.00
99% thru 200 mesh, bgs., c.l., works..ton. 47.00 -49.00
precip., bgs., c.l., works...ton. 52.50 - —
Chicago .....ton. 55.00 - —
l.c.l., works.....ton. 57.50 - —
Chicago .....ton. 60.00 - —
bbls., c.l., works.....ton. 57.50 - —
Chicago .....ton. 60.00 - —
l.c.l., works.....ton. 62.50 - —
Chicago .....ton. 65.00 - —
Barium carbonate, sulphur-free, bgs., c.l., works..ton. 57.50 - —
l.c.l., works.....ton. 62.50 - —
Chlorate, kgs.....lb. .20 - .25
Chloride, CP, cryst., bbls....lb. .25 - —
kgs. .....lb. .27 - —
Chloride, tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Ark. line....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis ton. 90.00 - —
bbls., same basis...ton. 92.00 - —
Zone 2, bgs., c.l. dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton. 81.00 - —
bbls., same basis...ton. 83.00 - —
l.c.l., bgs., same basis, ton. 94.00 - —
bbls., same basis..ton. 96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
l.c.l., bgs., same basis.ton. 96.00 - —
bbls., same basis..ton. 98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .16
Fluoride, bbls.....lb. .14 - .15
Fluosilicate, bbls.....lb. .16 - —
Hydrate (see Hydroxide).
Hydroxide, bbls., imp.....lb. .06½ Nom.
dom., works.....lb. .06½ - .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½ - .10½
Oxide, dms., c.l., ungrd., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works..lb. .11 - .15
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½ - .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l. St. Louis..ton. 25.15 - —
l.c.l., same basis.....ton. 26.15 - —
paper bags, c.l., St. Louis..ton. 22.85 - —
l.c.l., same basis.....ton. 23.85 - —
ex whse., New York.....ton. 31.50 - —
southern off color, bulk mines, ton. 12.00 - —
95.75%, bulk, mines....ton. 16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton. 11.00 - —
German, grd., bbls., c.l. dock, t.a. ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l. ex dock, t.a...ton. 29.50 Nom.
l.c.l., ex whse.....ton. 32.50 Nom.
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. .30 - .35
Root, bls.....lb. .35 - .40
Bentonite, 200 mesh, bgs., Wyo., works..ton. 11.00 - —
325 mesh, bgs., Wyo., works ton. 16.00 - —
Benzaldehyde, tech., cbys, dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .21 - —
tankcars, frt. alld. E. of Omaha, gal. .16 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
export .....gal. .17 - —
Benzoyl chloride, cbys.....lb. .23 - .24
Peroxide, pure, gran., fib. ctns.,
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. 17.25 -17.50
Hydrochloride, cns.....lb. 17.25 -17.50
Sulphate, cns.....lb. 17.25 -17.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.08
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.03
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.98 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.83
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 61-66%, bxs....lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt., alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½ - —
3 bbls., bgs., c.l., frt. alld. E..lb. .10½ - —
l.c.l., frt. alld. E.....lb. .11 - —

Black, bone, 4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E..lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b plants..lb. .0280- —
f.o.b. North Atlantic ports, lb. .03675- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .0265- —
f.o.b. North Atlantic ports, lb. .03525- —
l.c.l., compressed, bgs. or cartons, f.o.b. whse....lb. .06¼- —
dlvd..lb. .06¼- —
uncompressed, bgs. or cartons, f.o.b. whse..lb. .06¾- —
dlvd..lb. .06¾- —
bulk, cars., c.l., f.o.b. plants. lb. .02½- —
f.o.b. New York harbor..lb. .0338- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
1, ctns., c.l., 3, ctns., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Import, 1, bbls., c.l., f.o.b. N.Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2 bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N.Y...lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y...lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .25 - .26
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equal..ton.70.00 - —
l.c.l., same basis....ton.75.00 -90.00
Blanc fixe, direct process, pulp, 66⅔% bbls., c.l., works..ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..lb. 1.95 - —
works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.85 - —
high-grade, gr., 16-17 ammon., bulk., f.o.b. Chi., unit-ton. 2.85 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 3.00 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast: for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld.....lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
Potash, dom., bbls., same basis, alkali toner, contracts.lb. .42 - —
open order.....lb. .42 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
soluble, bbls., same basis, alkali toner, contracts.lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, blue dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c., higher; 100-lb. kgs., 1c. above bbls., 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .13 - .14
Blue mass, USP, cns.....lb. 1.57 - 1.59
powd., cns.....lb. 1.60 - 1.62
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.00 -33.00
import, bgs., c.i.f. ports..ton.31.00 - —
Bone, meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 - —
import, 100-lbs., bgs., c.i.f. ports, ship..ton.32.00 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
Bone, steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls.....lb. .08 - .09
Borage flowers, bls.....lb. .20 - .25
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.43.00 - —
l.c.l., ex whse.....ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .11 - .12
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¾- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis...lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .08¾- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis...lb. .07½- —
11, bbls., same basis...lb. .07 - —
12, bbls., same basis...lb. .06¾- —
13, bbls., same basis...lb. .06½- —
14, bbls., same basis...lb. .05¾- —

Black, Bone—Butyric Ether

Brown, Sienna, raw, American, bbls., f.o.b. works..lb. .02⅞- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12¾- —
2 bbls., same basis...lb. 11½- —
3, bbls., same basis...lb. .12¾- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10, bbls., same basis...lb. .06¼- —
11, bbls., same basis...lb. .05¼- —
Umber, American, bbls., works. lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, East on, Pa., N.Y..lb. .04¼- —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .05 - —
ex whse., Los Angeles, l.c.l., Portland, San Francisco, Seattle..lb. .05½- —
Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans..lb. .05 - —
ex whse., Kansas City.. lb. .05½- —
Los Angeles, Portland, San Francisco, Seattle..lb. .04⅞- —
Minneapolis .....lb. .0510- —
Pittsburgh .....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .15 - .16
Buchu leaves, bls.....lb. .75 - .80
Buckthorn bark, true, bls.....lb. .25 - .30
cut and sifted, bbls.....lb. .28 - .33
Berries, bgs.....lb. .25 - .30
Burdock root, bls.....lb. .14 - .15
Burgundy pitch, dom., dms.....lb. .05½- .06
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .08
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks.. lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld.....lb. .09½- —
contract prices 1c. per gal. less.
secondary, dms., c.l., frt. pd., E. of Miss. R..lb. .07½- —
dms., l.c.l., same terms.lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbitol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.60 - 6.95
cns, works.....lb. .65 - .70
dms., frt. alld. Met. N. Y...lb. .60 - —

WE INVITE OFFERS

Companhia Anilinas E Productos Chimicos Do Brasil
Rio De Janeiro, Caixa Postal 194, Brazil

Branches at SÃO PAULO and all important places of Brazil
Cable Address: ANILINA

Importers of Chemicals for the following industries

TEXTILE	PAINT, VARNISH, LACQUER	PHARMACEUTICAL
PAPER	ENAMEL AND CERAMIC	LABORATORIES
RUBBER	GRAPHIC	BREWERIES
TANNERIES	CHEMICAL	WINE SUGAR

We ask for offers from competitive MANUFACTURERS

FIRST CLASS BANK AND TRADE REFERENCES WILL BE FURNISHED

Cad. Bromide—Diamyl Sulph.

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cns.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs. or more.....lb. 2.25 - —
1,000 lbs. or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs. or more..lb. 2.23 - —
2,000 lbs. or more.....lb. 2.28 - —
1,000 lbs. or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cans, 10,000 lbs. or more..lb. 2.25 - —
2,000 lbs. or more.....lb. 2.30 - —
1,000 lbs. or more.....lb. 2.35 - —
100 lbs.....lb. 2.40 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cans, 25 lbs. or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .27 - .28
Calamus root, peeled, N.F., cs., lb. .28 - .30
bleached, bls.....lb. .90 - .95
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l., E. of Rockies..lb. .06 - —
l.c.l. .....lb. .06½- .07
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse..... 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd..ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.60 - 2.20
Gluconate, USP, gran., powd., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .67
cns. .....lb. .68 - .95
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .97
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports..ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f., Atlantic ports, shipt...unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., 1 ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS., bgs., c.l., works..ton.46.00 - —
60%, CaS., bgs., c.l., wks.ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs., lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .35 - .40
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs..lb. .83 - .84
slabs, cs.....lb. .83 - .84
tablets, tins.....lb. .88 - .89
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import., gran. powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs..lb. .03¾- .03¾
Morocco, bgs.....lb. .0340- .0370
Turkish, bgs.....lb. .0340- .0370
Canella alba, bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. .90 - .95
powd., bxs.....lb. 1.05 - 1.10
Russian, cs.....lb. 2.25 - 2.90
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .13¼- .13¾
Russian, bgs.....lb. .11½- .12
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm., (see Amyl alcohol, normal).
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¼- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08¼
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .06½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .96 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
Carbon, tetrachloride, Zone 2, 5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.00 - 1.35
decorticated, cs.....lb. .75 - .78
green, bgs.....lb. .65 - .68
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .16 - .18
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .09½- .10¼
5 tons, works.....lb. .10 - .11
smaller lots, works....lb. .10¼- .11½
80-100 mesh, bgs.....lb. .10 - .11
5 tons, works.....lb. .10¼- .11½
smaller lots, works.....lb. .11 - .12
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .09½- .09¾
80-100 mesh, bgs., c.l., duty paid..lb. .10 - .11
French, 30 mesh, bgs., c.l., duty paid..lb. .14½- .15
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. .14 - .15
Cassia, Batavia, No. 1, bls....lb. .16½- .17
shortstick, bls.....lb. .13½- .14
broken, bls.....lb. .13 - .13½
China, rolls, select, bls.....lb. .10 - .10½
broken, extra, bls.....lb. .08¼- .08½
Saigon, bls.....lb. .15 - .16
Cassia buds, cs.....lb. .13 - .13½
Cassia fistula, bskts.....lb. .12 - .13
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, f.o.b. shipt. ports..ton.70.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.17.50 - —
import, bgs., c.l.f. ports, shipment..ton.20.00 - —
Celery seed, French, bgs.....lb. .20½- .21
Indian, bgs.....lb. .13¼- .13¾
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .33 - —
Acetate-butyrate, high (26-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctn.,-5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld.....lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld.lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
triacetate, flake, frt. alld., lb. .33 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .38 - .40
Roman, bls.....lb. .45 - .50
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.32.40 - —
Colo. .....ton.29.00 - —
Conn., Me., Mass., N. H., R. I., Vt., ton.32.80 - —
c.l., dlvd., Ill. (except river point), Minn., Neb., Wis..ton.27.00 - —
Indiana .....ton.28.00 - —
Mo., Okla., Tex. (except El Paso).....ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan .....ton.29.80 - —
Ohio .....ton.29.80 - —
Penn. .....ton.31.80 - —
Utah .....ton.66.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01⅞- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
China clay, wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works. ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.26.00 Nom.
powd., cks., l.c.l., ex dock, ton.39.00 Nom.
ex whse.....ton.42.00 Nom.
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., bgs., works..lb. .32 - —
75 lbs., bgs.....lb. .35 - —
smaller lots, bgs.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05¼- —
contracts, dlvd., N. Y..lb. .05¼- —
l.c.l., dlvd., N. Y.....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., works..lb. .80 - —
100-lb. cyls., works.....lb. .85 - —
5-25-lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13½- —
solut., 8½%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works.....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Chrome, sulphate, pearls, dms., 100 lbs..lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .70 - .75
20 in., thick, cs.....lb. .70 - .75
20 in., medium, cs.....lb. .30 - .35
USP, broken quill, red, bgs., lb. .25 - .26
yellow, bgs.....lb. .25 - .26
Cinchonidine, crys., small cns., 100 ozs..oz. .86 - —
large, cns.....100 ozs..oz. .90 - —
powd., cns.....100 ozs..oz. .83 - —
Sulphate, N.F., cns.100 ozs..oz. .50 - —

Cinchonidine buyers must pay a surcharge of 3c. per oz., to cover present war risk insurance, higher ocean fright rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, crys., small, cns., 100 ozs..oz. .58 - —
large, cns.....100 ozs..oz. .62 - —
powd., cns.....100 ozs..oz. .54 - —
Sulphate, N.F., cns.100 ozs..oz. .38 - —

Cinchonine buyers must pay a surcharge of 3c. per oz., to cover present war risk insurance, higher ocean fright rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms. lb. 3.40 - —
1 and 5-lb. bots.....lb. 3.50 - 3.55
100 lbs., dms.....lb. 3.30 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .18¼- .19
3 bls.....lb. .15½- .16
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars.....lb. .95 - .97
Citronella, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Amboyna, bgs.....lb. .24 - .25
Madagascar, bls.....lb. .15½- .16
Zanzibar, bls.....lb. .15¾- .16
Clover tops, bgs.....lb. .32 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .71 - —
Carbonate, powd., bgs., works, lb. 1.38 - —
Chloride, kgs., works.....lb. .76 - .80
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, bbls.....lb. .13 - —
2 %, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .12¾- .13
Cocillana bark, bgs.....lb. .30 - .31
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 oz.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.20.00 -25.00
Colchicum seed, bgs.....lb. .40 - .45
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .14 - —
flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .56
Colombo root, bls.....lb. .15 - .16
Coltsfoot leaves, bgs.....lb. .15 - .16
Condurango bark, bgs.....lb. .12 - .13
Conium leaves, bls.....lb. .30 - .32
Copaiba balsam, Para, cns....lb. .30 - .33
S.A., USP, cns.....lb. .36 - .37
Copper acetate, normal, bbls., dlvd..lb. .22 - —
smaller containers, dlvd..lb. .24 - —
Carbonate, 52-54%, bbls.....lb. .1610- —
Chloride, crystal., bbls.....lb. .16 - —
Cyanide, tech., bbls.....lb. .34 Nom.
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .11½- —
Copper nitrate, cryst., bbls....lb. .16¼- —
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, 79-80%, bbls., tons, works..lb. .18 - —
Red, com'l., 80-88%, kgs., f.o.b. N.Y..lb. .19½- —
Resinate, precip., bbls.....lb. .13 - .16
Stearate, precip., bbls.....lb. .24½- .25½
Sulphate, 99% cryst., bbls., c.l., f.o.b. works..100 lbs. 4.60 - —
l.c.l., 16-50 bbls.. same basis. 100 lbs. 4.75 - —
6-15 bbls., same basis. 100 lbs. 4.95 - —
1-5 bbls., same basis. 100 lbs. 5.20 - —
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 9.15 - 9.35
l.c.l. dealers.....100 lbs.10.15 -10.35
Copperas, cryst., gran., bgs., c.l., works..ton.18.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
5-24, works.....100 lbs. 1.65 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipt.....lb. .0180 Nom.
Coriander seed, Morocco, bgs..lb. .04¼- .04⅝
bleached, bgs.....lb. .06⅜- .07¼
Corn sugar, Tanner's chipped, bgs., c.l., dlvd..100 lbs. 3.20 - —
slabs, bbls., c.l.....100 lbs. 3.21 - —
solid, bbls., c.l.....100 lbs. 3.33 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.32 - —
43° bbls., c.l.....100 lbs. 3.37 - —
Cornsilk, bls.....lb. .11 - .12
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.19 - —
gran., powd., dms., 50 lbs. or more..lb. 2.04 - —
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .16 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .30¾- —
smaller lots, bbls.....lb. .31¼- —
kgs. .....lb. .31¾- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works...gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works..lb. .09¾- —
l.c.l., same basis.....lb. .10¼- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis.....lb. .09¼- —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .25
2,000 lbs. to 10,000 lbs...lb. .25 - .26
1,000 lbs. to 2,000 lbs...lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28

4% rotenone prices are 4c. per lb. less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .42 - .44
powd., cs.....lb. .47 - .48
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .16 - .16½
Cyprus, bgs.....lb. .15½- .16
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04¼- —
Cyanamide, 22% N_2, pulv., bgs., dlvd., contracts, N_2, unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms...lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works, frt. alld. E. of Rockies...lb. .25 - —
Cyclohexanol, 98-100%, dms., works, frt. alld. E. of Rockies...lb. .30 - —
Cyclohexanone, 98-100%, dms., works, frt. alld. E. of Rockies..lb. .58 - —

D

Damiana leaves, bls.....lb. .25 - .26
Dandelion root, German, bls...lb. .42 - .45
Deertongue leaves, bls.....lb. .14 - .15
Degras common, dom., bbls...lb. .08½- .09½
English, bbls.....lb. .08½- .09½
neutral, dom., bbls.....lb. .13½- .16½
English, bbls.....lb. .13½- .16½
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y., frt. equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
2,000 lbs. to 10,000 lbs...lb. .26 - .30
1,000 lbs. to 2,000 lbs.....lb. .28 - .32
200 lbs. to 1,000 lbs.....lb. .30 - .34
4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns....lb. 2.25 - 3.25
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago...100 lbs. 4.05 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.70 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.90 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.65 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.85 - —
Potato, import, bgs.....lb. .07¾ Nom.
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., cl., dvld....lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —

Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works..lb. .48 - .50
tanks, works..lb. .45 - —
Diamylene, dms., cl., works..lb. .095 - —
l.c.l., works..lb. .102 - —
tanks, works..lb. .085 - —
Diamylnaphthalene, dms., l.c.l, works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. ..lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse..ton.45.00 -50.00
import. bgs., c.l., c.i.f..ton.23.00 Nom.
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. ..lb. .51 - .55
tanks, works..lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd..lb. .19 - —
l.c.l., dlvd..lb. .19½- —
tanks, dlvd..lb. .18 - —
cns., works..lb. .23½- .26½
Sebacate, dms., works..lb. .45 - —
Tartrate, dom., dms..lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works..lb. .16 - —
tanks, works..lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l. ..lb. .04 - —
tanks ..lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works..lb. .24½- —
tanks, works..lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylcarbonate, coml., dms..lb. .25 - —
refd., 99%, dms..lb. .35 - —
Carbinol (see Carbinol).
Oxalate, dms., l.c.l., dlvd..lb. .27 - —
Phthalate, dms., c.l., frt. alld., lb. .19 - —
l.c.l. ..lb. .19½- —
tanks ..lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works..lb. .14 - —
tanks ..lb. .12 - —
Diethylaniliin, dms..lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½- —
l.c.l., works..lb. .15½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether, d m s., c.l., works..lb. .14½- —
l.c.l., works..lb. .15½- —
tanks, works..lb. .13½- —
Digitalis leaves, dms..lb. .35 - .40
Diglycol, laurate, c.l..lb. .16 - —
Oleate, light, bbls., c.l..lb. .17 - —
Stearate, bbls., c.l..lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs..lb. .08 - .08½
Dimethyl phthalate, dms., c.l., dlvd..lb. .18¼- —
l.c.l., dlvd..lb. .19 - —
tanks, dlvd..lb. .17½- —
Dimethylaniliin, dms., c.l..lb. .23 - —
l.c.l., dms..lb. .24 - —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd..lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls., 80° min., lb. .18 - —
Dinitrochlorobenzene, dms..lb. .14 - —
Dinitronaphthalene, kgs..lb. .35 - .38
Dinitrophenol, bbls..lb. .22 - —
Dinitrotoluene, dms..lb. .15½- —
oily, dms..lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd..lb. .46 - —
150-450 lbs., dlvd..lb. .47 - —
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis..lb. .21 - —
tanks, same basis..lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms..gal. .47 - .50
tanks ..gal. .41 - —
dest., dist., dms..gal. .45 - .48
tanks ..gal. .38 - —
Diphenyl, bbls., c.l., works..lb. .15 - —
l.c.l., works..lb. .16 - .20
Oxide, perfume grade, cns..lb. .50 - .55
Diphenylamine, bbls..lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd..lb. .36 - —
150-450 lbs., dlvd..lb. .37 - —
Diphenylmethane, bots..lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Doggrass root, cut, bls..lb. .18 - .19
Dogwood bark, Jamaica, bls., lb. .08 - .10
Dovers powder, USP, cns..lb. 2.75 - 2.80
Dragon's blood, mass, cs..lb. .65 - .70
reeds, thin, cs..lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb.13.50 - —
FD&C blue, No. 2, cns..lb.13.50 - —
FD&C green, No. 2, cns..lb.17.50 - —
FD&C green, No. 3, cns..lb.27.50 - —
Green, FD&C green, No. 1, cns. lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 3 cns..lb. 3.15 - —
FD&C red, No. 3, cns..lb.17.50 - —
FD&C red, No. 4, cns..lb. 5.75 - —
FD&C red, No. 32, cns..lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4 ,cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors) for drugs and cosmetics:—
Black, D&C black, No. 1, lb. 8.35 - —
Blue, D&C blue, No. 6..lb.13.50 - —
Dyes, coaltar (certified colors) for drugs and cosmetics:—
Brown, D&C brown, No. 1, cns. lb.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns..lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns..lb.15.35 - —
D&C orange, No. 10, cns..lb.15.85 - —
D&C orange, No. 11, cns..lb.17.35 - —
Red, D&C red, No. 5..lb. 6.00 - —
D&C, red, No. 17..lb. 8.35 - —
D&C red, No. 18..lb.18.35 - —
D&C red, No. 19, cns..lb.15.35 - —
D&C red, No. 22, cns..lb. 8.35 - —
D&C red, No. 33..lb.13.35 - —
D&C red, No. 37, cns..lb.12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 3, cns..lb. 8.35 - —
D&C yellow, No. 11..lb.19.35 - —

Dyes, coaltar (certified colors) for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext.D&C, green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C, red, No. 1, cns..lb.10.35 - —
Ext.D&C, red, No. 3..lb.21.65 - —
Ext.D&C, red, No. 8..lb. 7.85 - —
Ext.D&C, red, No. 10, cns.. lb.12.35 - —
Ext.D&C, red, No. 11, cns. lb.12.35 - —
Ext.D&C, red, No. 13, cns.. lb.12.35 - —
Yellow, Ext.D&C, yellow, No. 1.. cns..lb. 8.35 - —

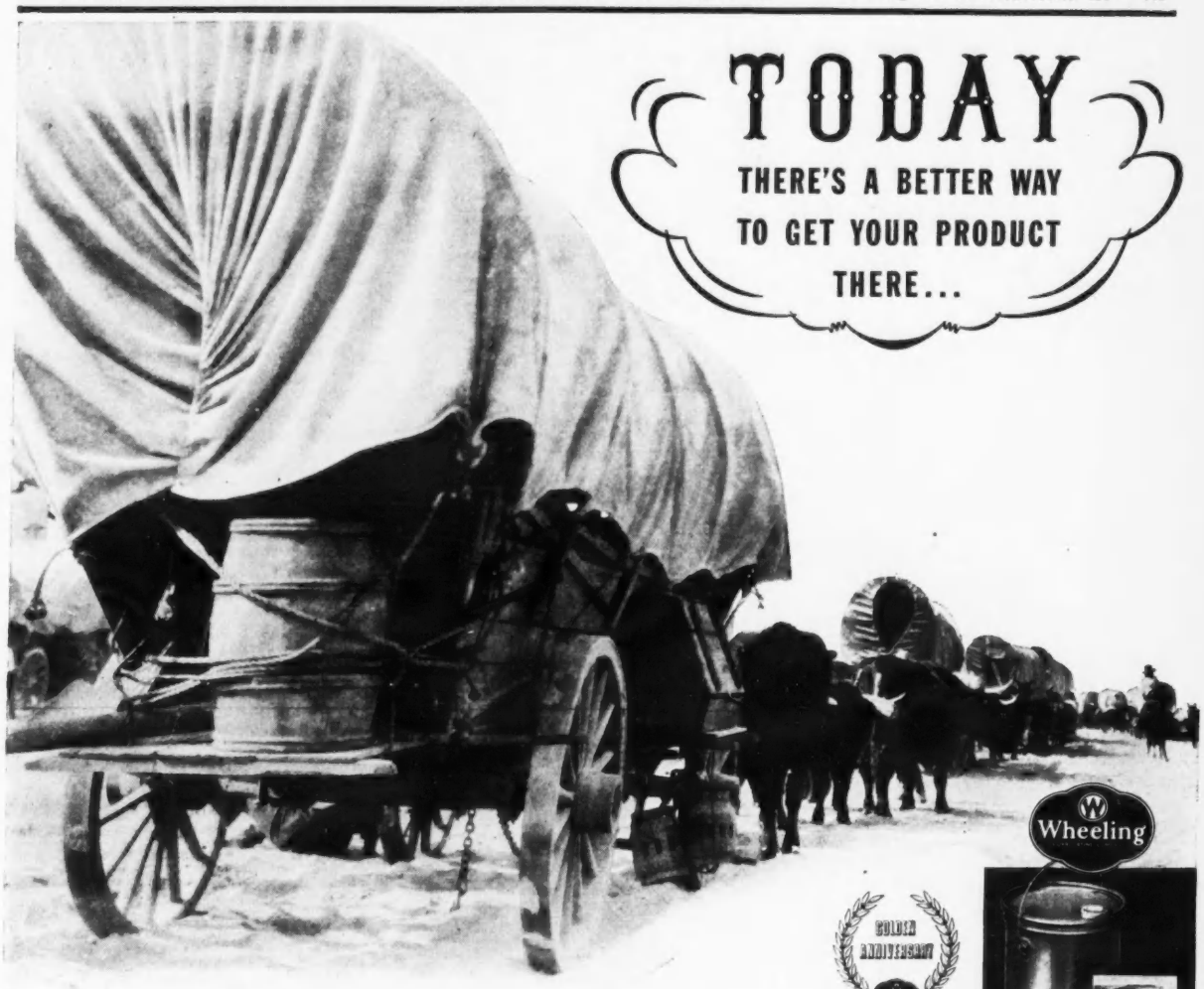
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G..lb. .65 - .70
40 Chrome yellow R..lb. .50 - 1.00
53 Victoria violet..lb. .80 - 1.00
165 Lake red C..lb. .80 - .95
176 Fast red A..lb. .56 - .60
180 Fast red VR..lb. 1.50 - 1.60
189 Lake red R, paste..lb. .85 - .90
189 Lake red R, powd..lb. 3.00 - 3.10
Sulphur tan..lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A..lb. 1.75 - 2.00
208 Fast red blue R..lb. .75 - 2.00
216 Chrome red B..lb. 1.75 - 2.00
262 Cloth red 2B..lb. .60 - .90
289 Fast cyanin 5R..lb. .90 - 1.00
299 Chrome black F..lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet..lb. 2.00 - 2.25
304 Paper yellow..lb. .83 - .90
365 Chrysophenin G..lb. .58 - .70
394 Direct violet N..lb. 1.25 - 1.35
382 Direct scarlet B..lb. 1.50 - 1.75
387 Direct violet B..lb. 1.00 - 1.30

Dyes, coaltar, for general uses (numbers are those of Colour Index scale).
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B..lb. .25 - .30
415 Direct orange R..lb. .60 - .70
419 Direct fast red F..lb. .75 - .85
420 Direct brown M..lb. 1.00 - 1.10
448 Benzo purpurin 4B..lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G..lb. .75 - .80
512 Direct blue RD..lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue..lb. .50 - 1.00
529 Direct fast, black, FF..lb. .55 - 1.00
581 Direct black EW..lb. .25 - .50
582 Direct black RX..lb. .35 - .45
593 Direct green B..lb. .75 - .80
594 Direct green G..lb. 1.00 - 1.05
596 Direct brown 3GO..lb. .35 - 1.00
620 Direct yellow R..lb. 1.25 - 1.50
698 Acid violet..lb. 1.00 - 3.00
812 Primulin ..lb. .50 - .52
814 Direct fast yellow..lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p. c. paste.lb. .15 - .18
Benzo fast black L..lb. .90 - 1.00
Sulphur black..lb. .20 - .25
Sulphur blue..lb. .40 - 1.00
Sulphur brown..lb. .25 - .50
Sulphur maroon..lb. .40 - —
Sulphur olive..lb. .25 - .54
Sulphur yellow..lb. .30 - .50
Zambesi black..lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
865 Nigrosin derivatives..lb. .38 - .62

Diamylamine-Dyes

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 8c. per lb. higher; f.o.b. sellers' works or warehouse).
Blue:—
1075 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown ..lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green ..lb. .75 - —
Orange:—
24 Sudan I..lb. .75 - —
.... Orange, red shade....lb. .75 - —
Red:—
75 Sudan II..lb. 1.05 - —
258 Sudan IV..lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet..lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB..lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin ..lb. .38 - .44



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CORRUGATING COMPANY
General Offices: WHEELING, WEST VIRGINIA
OFFICES AND WAREHOUSES IN PRINCIPAL CITIES

Dyes—Gum, Copal

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base...lb. .90 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .60 - —
821 Bismarck brown G...lb. .40 - .52
832 Bismarck Brown R...lb. .40 - .52
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crosein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S...lb. .83 - —
188 Metanil yellow.....lb. .53 - —
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .18
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .57 - .62
imported .....lb. .52 - .56
Elder flowers, bright, bls.....lb. .38 - .39
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.22.00 -23.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, tins, 1,000 ozs.....oz. 1.50 - —
tins, 100 ozs.....oz. 1.60 - —
Hydrochloride, tins, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Sulphate, cryst., tins, 1-000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 3.75 - 3.80
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.36.00 - —
Sulphate, bots.....oz.36.00 - —
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs. lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works...lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs. lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07 - —
95-98%, dms., c.l., frt. alld.lb. .06¼- —
l.c.l., frt. alld.....lb. .08¾- —
tanks, frt. alld.....lb. .07¼- —
N.F., 460 lb. dms.....lb. .09½- —
cns., 35 lbs.....lb. .14 - —
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55 gal. dms., dlvd., lb. .35 - —
Ethyl formate, cns., dms.....lb. .23 - .24
5 and 10 gal. dms., dlvd....lb. .75 - —
1 gal., cns.....lb. 1.00 - —
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works, lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
contracts, 500 lbs. or more, frt. alld..lb. .47 - —
500 lbs. or more, frt. alld.lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0395- —
West of Rockies, same basis..lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l.....lb. .15½- .18½
tanks.....lb. .18½- —
Monobutylether, dms., c.l., works, lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .13½- —
Monoethylether, dms., c.l. works, lb. .14½- —
l.c.l., works.....lb. .15½- .18½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11½- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .80 - .85
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .11 - .12

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .13 - .13½
French, bgs.....lb. .13¼- .13¾
German, large, bgs.....lb. .33 - .34
Roumanian, bgs.....lb. .11¾- .12¼
Fenugreek seed, bgs.....lb. .05½- .06
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .13 - —
smaller lots, works...lb. .14 - —
light, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .15 - —
smaller lots, works.....lb. .16 - —
Fir balsam, Canada, cns....gal.12.75 -13.00
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .15 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 3.25 & .10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.58.00 - —
wet, acidulated, 6-7% ammon., 3% phosphor, acid, bulk, So. Atlantic factories, contracts..unit-ton. 3.00 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, April shipt..ton.32.00 - —
spot..ton.32.00 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Fleaseed, French, black, bgs..lb. .18½- .19
Indian, blonde, bgs.....lb. .08½- .09
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.32.60 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton.21.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.21.00 - —
Imported, 85.5, duty paid, short ton.25.00 Nom.
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b Fla., Ga. mines..ton.15.00 - —
import., bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl. dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls....lb. .24 - .25
liquid, bbls.....lb. .10½- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .07 Nom.
plantation, cases.....lb. .10 Nom.
Cubes, Singapore, cases....lb. .09 Nom.
extract, bbls.....lb. .09½- .12
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06- .06½
65 octane and above, tanks, gal. .06¾- .07½
California, 54-58, tanks..gal. .05¾- .07
Gulf Coast, U. S. Motor, bulk, gal. .05¼- —
60-62, 390 e.p., bulk, export, gal. .05¼- —
63-67, 375 e.p., bulk, export, gal. .05½- —
70-72, 400 e.p., bulk, export, gal. .06 - —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04 - .04¼
63-66 octane, tanks....gal. .04¾- .04½
67-69 octane, tanks....gal. .04½- .04¾
70-72 octane, tanks....gal. .04⅞- .05
Gasoline, at refinery, Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .03½- .04
third grade, tanks.....gal. .03½- .04
63-66 octane, tanks....gal. .03¾- .04
67-69 octane, tanks....gal. .04 - .04¼
70-72 octane, tanks....gal. .04½- .04¾
natural, 12-lb. v.p., tanks, gal. .01½- .01⅞
14-lb. v.p. tanks.....gal. .01¼- .01½
18-lb. v.p., tanks.....gal. .01½- .01⅞
22-lb. v.p., tanks.....gal. .02 - —
26-70-lb. v.p., tanks...gal. .01¼- .01½
below 60 octane, tanks.gal. .02 - —
65 octane, tanks.....gal. .04 - —
52-54 450 e.p., naphtha, tanks..gal. .03 - —
gal. .01½- .01⅞
14-lb. v.p. tanks.....gal. .01¼- .01½
Gelatin, silver, cs.....lb. .42 - .43
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .14 - .15
grd., bbls., bxs.....lb. .16 - .17
powd., bbls., bxs.....lb. .17 - .18
Geraniol, cns., dms.....lb. .60 - 3.00
Ginger root, African, bgs.....lb. .07¼- .07½
Cochin, lemon, bgs.....lb. .10 - .10½
Jamaica, bold, bgs.....lb. .12 - .13
medium, bgs.....lb. .11 - .11½
grinding, bright, bgs.....lb. .08½- .08¾
Japanese, bgs.....lb. .08¾- .09¼
Ginseng root, wild, Southern, cs., lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works.... 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
36/58, bgs., c.l., dlvd.....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
58/82, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
82/108, bgs., c.l., dlvd....lb. .15 - —
l.c.l., dlvd.....lb. .15½- —
hide, calcimine type, 58 millipoise, 135 jelly-grams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis, lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
88/251, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283, bgs., c.l., same basis, lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - —
113/347, bgs., c.l., same basis, lb. .22 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12¾- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.lb. .13 Nom.
l.c.l., same basis....lb. .14 Nom.
tanks .....lb. .12 Nom.
for refiners, dms., returnable, tanks, dlvd..lb. .08¾- .09
soapiye, basis 80%, dms., tanks, returnable, dlvd..lb. .07¾- .08¼
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots...oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs.....lb. .12 - .12½
Goldenseal, root, bls.....lb. 3.65 - 3.85
powd., bxs.....lb. 3.90 - 4.10
Grains of paradise, bgs.....lb. .38 - .39
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon., bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .04½- —
l.c.l., works.....lb. .06½- —
Graphite, amorph., powd., 80%, 325 mesh, 65% graphite carbon, bgs., c.l., works, lb. .02½- —
65% graphitic, carbon, bbls., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease, house, loose.....lb. .04¾- .04¾
White .....lb. .05 - .05½
Yellow .....lb. .04⅝- .04¾
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07½- —
17-19%, bbls., same basis.lb. .07¾- —
Green, chrome, reduced, 20-21%, bbls., same basis..lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .88 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .80 - .85
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, fib., dms., 25 lbs..lb. 2.40 - 2.74
Guarana powd., cs.....lb. 1.20 - 1.25
Gum, aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .09¾- .10
white, sorts, 1, bgs.....lb. .28 - .29
2, bgs.....lb. .27 - .28
powd., bbls.....lb. .14 - .14½
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .17 - .18
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .34 - .35
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
Copal, Congo, cloudy, white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13¾- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13¾- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .11¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .10¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .08½- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .17¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .17½- —
19, pale straw nubs., bgs., c.l., same basis..lb. .16¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .11¾- —
21, ordinary selected nubs, c.l., same basis..lb. .10¾- —
22, small mixed nubs, bgs., c.l., same basis..lb. .09¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .10½- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale bid chips, bgs., c.l., same basis..lb. .10 - —
27, pale small nubs, bgs., c.l., same basis..lb. .09½- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .06¾- —
unscraped, bgs., c.l., same basis..lb. .05¾- —
chips, bgs., c.l., same basis..lb. .05 - —
dust, bgs., c.l., same basis..lb. .04¾- —
nubs and chips, bgs., c.l., same basis..lb. .05 - —
black, bold, scraped, bgs., c.l., same basis..lb. .09½- —
unscraped, bgs., c.l., same basis..lb. .06¾- —
nubs and chips, bgs., c.l., same basis..lb. .06¾- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .13¾- —
chips, bgs., c.l., same basis, lb. .07¾- —
dust, bgs., c.l., same basis, lb. .04¾- —
nubs, bgs., c.l., same basis..lb. .11¾- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .14¾- —
chips, bgs., c.l., same basis, lb. .08¾- —
dust, bgs., c.l., same basis, lb. .04¾- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .13¾- —
light, bskts., c.l., same basis..lb. .15¾- —
Loba A, bskts., c.l., same basis..lb. .14¼- —
B, bskts., c.l., same basis, lb. .13¾- —
C, bskts., c.l., same basis, lb. .13½- —
CNE, bskts., c.l., same basis..lb. .10¼- —
D, bskts., c.l., same basis, lb. .13¼- —

Gum, copal ,Manila, loba, DK, bskts., c.l., same basis...lb. .10¼- —
dust, bskts., c.l., same basis..lb. .06⅞- —
Sambas and white split chips, bskts., c.l., same basis..lb. .15⅝- —
Singapore, dust, bskts., c.l., same basis..lb. .06⅞- —
spirit - soluble, CBB, bskts., basis..lb. .12⅞- —
DBB, bskts., c.l., same basis, lb. .12¾- —
MA, bskts., c.l., same basis, lb. .10⅝- —
MB, bskts., c.l., same basis, lb. .09⅞- —
WS, bskts., c.l., same basis, lb. .12¾- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .10¾- —
chips, pale, bskts., c.l., same basis..lb. .13½- —
pale, small, bskts., c.l., same basis..lb. .11⅝- —
extra pale sorts, bskts., c.l., same basis..lb. .12¾- —
nubs, bskts., c.l., same basis..lb. .14¼- —
pale, scraped, bskts., c.l., same basis..lb. .15⅜- —
seeds and dust, bskts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine, bgs., same basis..lb. .15½- —
mixed, bgs., c.l., same basis, lb. .14½- —
split, bgs., c.l., same basis, lb. .13¼- —
chips, bgs., c.l., same basis, lb. .08¾- —
nubs, bgs., c.l., same basis, lb. .10¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21⅝- —
A/D, cs., c.l., same basis..lb. .13⅞- —
A/E, cs., c.l., same basis..lb. .12⅞- —
B, cs., c.l., same basis.....lb. .20¼- —
C, cs., c.l., same basis.....lb. .14⅝- —
D, cs., c.l., same basis.....lb. .13¼- —
dust, cs., c.l., same basis..lb. .07⅞- —
E, cs., c.l., same basis.....lb. .10 - —
F, cs., c.l., same basis.....lb. .08 - —
Singapore 1, cs., c.l., same basis..lb. .16⅞- —
2, cs., c.l., same basis....lb. .12⅜- —
3, cs., c.l., same basis....lb. .07⅛- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis, lb. .07¼- —
seeds, cs., c.l., same basis, lb. .09¾- —
Elemi, cns., c.l., same basis as copal..lb. .10¼- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs....lb. .06¼- .06¾
less than 10,000 lbs., same basis..lb. .06½- .07
Western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l., lb. .06¼- .07
dlvd. elsewhere, 75,000 lbs., contrs. or straight, c.l...lb. .07- .07¼
l.c.l., same basis.....lb. .07¼- .07¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs. .....lb. 1.50 - 1.60
Gamboge, pipe, cs.....lb. .70 - .75
powd., bbls. .....lb. .75 - .80
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14 - .33
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, c.s., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17⅝- —
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. .85 - .90
Myrrh, USP, cs.....lb. .45 - .46
Olibanum, siftings, cs.....lb. .08 - .12
Tears, cs.....lb. .15 - .25
Opium (see O).
Rosin (see R).
Sandarac, cks., c.l., same basis as copal..lb. .35 - .36
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Alleppo, 1, cs...lb. 2.65 - 2.70
2, cs. .....lb. 2.35 - 2.60
3, cs. .....lb. 2.45 - 2.50
flake, bgs.....lb. No prices
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equaled..ton.17.00 - —
bgs, c.l., f.o.b. New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Okla., frt. equal..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Acme, Tex., frt. equald.ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.14.00 - —
f.o.b. Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bags., c.l., f.o.b. Acme, Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock.....ton.26.00 Nom.

H

Hawthorn berries, bgs.....lb. .28 - .30
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls, lb. .16 - .17
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03⅝- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .07 - .07½
Henbane, leaves, bls.....lb. .45 - .50
Henna leaves, bls.....lb. .13 - .14
powd., bbls., bxs.....lb. .16 - .17
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l. Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
Normal, 86-100°, dms., c.l., Group 3..gal. .11⅛- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70°C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Homatropine hydrobromide, bots., 25 ozs..oz.13.00 -13.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.50 - 2.75
Hops, N. F., bls.....lb. .20 - .21
Horehound, bls.....lb. .08 - .09
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 ozs..oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastine, 15 grs., bots....bot. 1.95 - —
Hydrastine (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. 100 vols., cbys., E. of Miss. River..lb. .03¾- .04
.20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.55.00 -72.00
Hydrochloride, bots.....oz.59.00 -60.00
Hyoscyamine, b gr., bots.....bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots.....bot. .60 - —
Hypernic, ext. liquid, 51°, bbls., lb. .14 - —

I

Iceland moss, bls.....lb. .18 - .20
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs., less 5%.....lb. 1.21 - —
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.35 - 1.40
powd., bxs.....lb. 1.45 - 1.50
Irish moss, ordinary, bls.....lb. .15 - .16
powd., 80-90 mesh, bbls..lb. .30 - .32
prime, bleached, bls.....lb. .28 - .30
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
Chloride, USP solut., cbys., works, frt. alld. or equald. lb. .06½- .07
djns. .....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns. .....lb. .39 - —
bots. .....lb. .53 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .54
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .069 - —
tanks, works.....lb. .059 - —
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .10½- —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07 - —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .07½- —
tanks, E. of Rockies, frt. alld..lb. .06 - —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gal., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld gal. .25 - —
W. of Miss., frt. allo., gal. .29 - —

J

Jarborandi leaves, bls.....lb. .11 - .13
Jalap root, NF, bls.....lb. .35 - .40
powd., bbls., bxs.....lb. .40 - .45
resin, lump, 100 lb. lots, cns.lb. 5.75 - —
powd., bxs.....lb. 5.80 - —
Juniper berries, bgs.....lb. .12 - .17

K

Kamala, tins.....lb. .42 - .43
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0390- .06½
Gulf ports, p.w., bulk.....gal. .07⅝- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03⅞- —
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04½
42-44 w.w., tanks.....gal. .04½- .04⅝
Pennsylvania, 45 w.w., tanks, gal. .04⅞- .05
46 w.w., tanks.....gal. .05 - .05½
47 w.w., tanks.....gal. .05½- .05¾
Kerosene, tankwagon:—
Atlanta .....gal. .10 - —
Boston .....gal. .08½- —
Chicago .....gal. .10 - —
Cincinnati .....gal. .12 - —
Denver .....gal. .10½- —
Louisville .....gal. .09 - —
Minneapolis .....gal. .104 - —
New Orleans.....gal. .11 - —
New York.....gal. .08½- —
San Francisco.....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No Prices
Kola nuts, bgs.....lb. .12 - .13

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.50 - 6.75
Middlewestern, trcs....100 lbs. 6.85 - 6.90
Neutral, trcs.....100 lbs. 7.00 - 7.25
Western, choice, trcs..100 lbs. 6.75 - 6.80
Compound, trcs.....100 lbs. 9.25 - 9.75
Larkspur seed, bgs.....lb. .90 - 1.00
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .05¼- .05¾
Lavender flowers, ordinary, bls.lb. .35 - .37
medium, bls.....lb. .40 - .42
select, bls.....lb. .45 - .47
Lead acetate, white, broken, bbls. lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¼- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .08½- .11
l.c.l., bgs., c.l.....lb. .09 - .11½
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic, sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
l.c.l., dlvd. E.....lb. .06½- —
l.c.l., dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5 lb. bots..lb. 2.66 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lbs. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash...lb. .0787- —
other points.....lb. .07½- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and and Wash..lb. .08¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. .....lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, Ala., etc.lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc. other points.....lb. .07¾- —
lb. .0810- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
smaller lots, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —

Gum, Copal—Lime-Sulphur Sol.

Lead, red, dry, 98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0860- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
l.c.l., smaller lots, dlvd., Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09½- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused 15%, bbls.....lb. .09½- —
pale, bbls.....lb. .11¾- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .26 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l., (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse...lb. .10¼- —
smaller lots, E. frt. alld., lb. .10½- —
Pac. Cst., ex whse...lb. .10½- —
White, dry, basic, carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc.lb. .07½- —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06¼- —
other points.....lb. .06¾- —
l.c.l., dlvd., Ariz., etc. lb. .06¾- —
other points.....lb. .06½- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers .....lb. .10¾- —
painters .....lb. .11¾- —
Consumers' price and painters' price are ¼c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l. same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l. same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms. c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l. same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .85
grades 2 or 3, dms., c.l. same basis..lb. .37½- —
l.c.l. same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.
Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass, cs.....lb. .18 - .19
powd., bbls.....lb. .24 - .28
root, cuttings, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .10 - .11
select, bndls., cs.....lb. .20 - .25
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa.....ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.12.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal...ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa.....ton. 8.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.00 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Pottokney, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07¼- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —

Lime Sulphur Solut.—Nerolin

Lime sulphur, solution. Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, dlvd. gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minns., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N.Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns.....lb. 2.00 - 3.00
Linden flowers, with leaves, bls.lb. .32 - .35
without leaves, bls.....lb. .30 - .35
Linseed cake, bags, export...ton.35.50 - —
meal, 34%, bgs.....ton.33.00 - —
Litharge, com'l, powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0685- —
dlvd., other points....lb. .06½- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore., and Wash..lb. .07¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
Colo., Mont., N. Mex., Wyo..lb. .07½- —
other points.....lb. .07 - —
smaller lots, dlvd., Ala..lb. .07¾- —
Ariz., etc.....lb. .08¼- —
Colo., etc.....lb. .08 - —
Other points.....lb. .07½- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Litnopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05½- —
ordinary, bgs., c.l. (20 tons)...lb. .0360- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .0385- —
smaller lots.....lb. .04¼- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .50 - .51
Lobelia, herb, bls.....lb. .13 - .14
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dom., bls.....lb. .45 - .50
imports, bls.....lb. .45 - .60
Lupulin, N. E.. tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.00 - 4.10

M

Mace, Banda, cs.....lb. .55 - .56
Batavia, cs.....lb. .29 - .30
Siauw, cs.....lb. .40 - .41
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., U.S.P., bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09½- —
U.S.P., Zone 1, c.l., bgs..lb. .08 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls. .....lb. .09¼- —
kgs. .....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls. .....lb. .09¼- —
kgs. .....lb. .10½- —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., C.l., shipments full fr't alld. up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U. S.: prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Magnesia, peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11⅛
Stearate, bbls., ctns., c.l....lb. .24 - —
1 ton.....lb. .25 - —
1,000-2,000 lbs.....lb. .26 - —
smaller lots.....lb. .27 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.58.00 62.00
Import, bgs., duty paid...ton.58.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .58 - —
100-lb. lots.....lb. .55 - —
cns. .....lb. .75 - .80
Malva flowers, black, bls.....lb. .45 - .50
blue, bls.....lb. .45 - .50
Leaves, bls.....lb. .19 - .20
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .08½ Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
½ 4 tons, works....ton.77.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works...ton.69.50 - —
smaller lots, works..ton.74.50 - —
burlap bgs., c.l., works.ton.64.25 - —
l.c.l., 5 tons, works..ton.67.25 - —
smaller lots, works.ton.72.25 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works..ton.65.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.30 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19⅛
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .50 - —
Resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, works..lb. .08 - .08½
single bbls., works.....lb. .08¼- .08⅝
fertilizer, 65%, $MnSo_4$, bgs., c.l., dlvd., South..ton.52.00 - —
l.c.l., bgs.....ton.59.00 -73.25
Mangrove bark, bgs., shipt...ton.30.00 - —
Manna flake, large, cs.....lb. .80 - .85
small, cs.....lb. .65 - .70
Mannitol, com'l grade, 99% pure, ton lots, works..lb. .42 - —
250 lbs., bbls., works.....lb. .50 - —
reagent grade, 25-lb. tins, 100-lb. lots, works..lb. .95 - —
50-lb. lots, works.....lb. 1.00 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bls.....lb. .25 - .25½
Tunisan, bls.....lb. .24 Nom.
Chilean, bls.....lb. .17½- .18
Matico leaves, bls.....lb. .28 - .29
Menthol, USP, natural, cs.....lb. 3.60 - —
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms., 50 lbs.....lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.34 - —
25 lbs.....lb. 1.36 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see white precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.82 - —
100-lb. fib., dms.....lb. 2.69 - —
25-lb. jars.....lb. 2.71 - —
Chloride (see Calomel).
Iodide, red, N.F., 5-lb. bots..lb. 4.71 - —
100-lb. fib., dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.73 - 4.75
Mercury, nitrate ointment (see Citrine ointment).
Oxide, red, N.F. (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.66 - —
USP, fib., dms., 50 lbs. or more..lb. 3.18 - —
Mercury and chalk, 5-lb. ctns..lb. 1.85 - —
25-lb. fib., dms.....lb. 1.73 - 1.75
fib., dms., 25 lbs.....lb. 1.60 - 1.65
Mesityl oxide, cns., works.....lb. .20½- .22⅛
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3¾x5½ in.....pkg.22.50 -23.00
3½x5½ in.....pkg.24.50 -25.00
Silver, 3¾x3¾ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls.....lb. 1.30 - —
Metaphenylenediamine, kgs.....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

Natural, producer group B, pure, tanks, frt. alld.
Zone 1.....gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
dms., c.l., Zone 1....gal. .35½- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41½- —
dms., l.c.l., Zone 1...gal. .38 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —
95%, frt. alld., prices 2c. less than pure, all zones.
97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Tenn., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb. N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore., Zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex, Ore., Utah, Wash.

Methanol, synthetic, pure, dms., c.l., Zone 1, frt. alld....gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. ald...gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l., only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd., E. of Miss. R. lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, producer group A, dms., c.l..gal. .41 - —
l.c.l. .....gal. .44 - —
tanks .....gal. .35 - —

Methyl acetone prices are frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Natural, producer group B, tanks, Zone 1..gal. .35 - —
Zone 2.....gal. .37½- —
Zone 3.....gal. .38½- —
Zone 4.....gal. .39 - —
dms., c.l., Zone 1.....gal. .41 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .45 - —
Zone 4.....gal. .47 - —
dms., l.c.l., Zone 1....gal. .44 - —
Zone 2.....gal. .50½- —
Zone 3.....gal. .48 - —
Zone 4.....gal. .63½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los. A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Acetone, synthetic, dms., c.l., E. of Rockies..gal. .44 - —
W. of Rockies.....gal. .48 - —
l.c.l., E. of Rockies....gal. .47½- —
W. of Rockies.....gal. .51½- —
tanks, E. of Rockies....gal. .36 - —
W. of Rockies.....gal. .39½- —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.75 - 2.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd...lb. .80 - —
Iodide, bots.....lb. 3.68 - 3.82
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Violet toner, bbls.....lb. .88 - —
permanent, bbls.....lb. .80 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 100 lbs. or more, frt. alld..lb. .70 - —
less than 100 lbs., works..lb. .75 - —
Methylcyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .25 - —
Methylcyclohexanol, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .30 - —
Methylcylohexanone, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .58 - —
Methylene blue, medcl., kgs., 100 lbs..lb 2.00 - —
cns., 5 lbs.....lb 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., ts. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.28.00 -44.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.39
imp., bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l..lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, l.c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —

Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
refined, bgs. extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l. works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works..lb. .03 - —
roofing, bgs. extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅝- —
rubber, bgs., c.l., frt. alld. E., lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅝- —

wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls., c.l., lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - —
Millet seed, yellow, bgs.....lb. .02¾- .03¼
early fortune, bgs.....lb. .02½- .03
hulled, bgs.....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .05½- .06
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. 1.60 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l. works.....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks., lb. .50 - —
l.c.l., works.....lb. .51 - .52
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monoinethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 oz.....oz..10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs. oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns.....lb. .12 - .14
flowers, cns.....lb. 1.30 - 1.35
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs.....oz.19.00 -21.00
synth, ambrette, cns., 100 lbs., or more..lb. 3.65 - —
5 lbs. to 75 lbs.....lb. 3.80 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .40 - .45
Mustard seed, California, brown, bgs..lb. .09 - .09¼
Danish, yellow, bgs.....lb. .13¾- .14¼
Dutch, yellow, bgs.....lb. .11½- .12
English, yellow, bgs.....lb. No stocks
Roumanian, yellow, bgs....lb. .10 - .10½
Myrobalans, J1, bgs., f.a.s...ton.27.00 - —
J2, bgs., f.a.s.....ton.22.00 - —
Extract, liquid, 25%, bbls...lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 Nom.
bbls., l.c.l., works..100 lbs. 2.50 Nom.
78 deg., bgs., c.l., works, 100 lbs. 2.50 Nom.
l.c.l., works.....100 lbs. 2.75 Nom.
Import, bgs., c.i.f.....100 lbs. 2.90 Nom.
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .06¾- —
50-lb. cs., same basis..lb. .07 - —
pkgs. (16 oz.), same basis, lb. .07½- —
(12 oz.) same basis..pkg. .06 - —
chipped, crushed, bbls., same basis..lb. .06 - —
rice, cryst., powd., bbls., same basis..lb. .06¾- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35

Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lb. dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13⅛
Nicotine sulphate, 40%, dms., works,frt. alld..lb. .70 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., works. lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., divd..unit-ton. 1.95 - —
f.o.b. Chemical, Ill., unit-ton. 1.95 - —
East Coast producing points..unit-ton. 2.50 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.40 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nutgalls, Alleppo, bgs., cs....lb. .29 - .32
Chinese .....lb. .23 - —
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .22 - .22½
110s, bgs., cs.....lb. .20 - .20½
West Indian, bgs.....lb. .09¾- .10¼
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03⅛- —
l.c.l., bbls., works.....lb. .03⅜- —
tanks .....lb. .02⅝- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12⅛- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10⅛- —
Octyl acetate, dms., c.l., works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.00 - 2.10
s.p.s., bots.....lb. 2.10 - 2.20
sweet, true, exp., cns....lb. .75 - .80
Amber, crude, cns.....lb. .22 - .23
ref'd, cns.....lb. .75 - .80
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.42.00 -45.00
seed, bots.....lb.70.00 -75.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .68 - .70
Apricot, kernels, cns.....lb. .38 - .39
Babassu, tanks.....lb. .06¾- —
Bay, W. I., 50-55% phenols, natural, coppers.....lb. 3.75 - 6.00
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 5.25 - 5.50
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birchtar, crude, dms.....lb. .25 - .28
rectified, cns.....lb. .75 - .80
Bois de rose, Brazil, cns....lb. 1.60 - 1.65
Cade, USP IX (see Oil, juniper tar).
Cadjeput, tech., dms.....lb. .71 - .72
USP, IX, cns.....lb. .75 - .76
Calamus, cns.....lb. 8.25 - 8.50
Camphor, sassafrassy, cns...lb. .39 - .40
dms. .....lb. .36 - .37
white, cns.....lb. .52 Nom.
dms. .....lb. .50 Nom.
Cananga, native, cns.....lb. 1.75 - 1.80
rectified, cns.....lb. 2.00 - 2.35
Capsicum (oleoresin) N. F. VI, cns..lb. 2.50 - 2.75
Caraway, USP, cns.....lb. 2.50 - 3.00
Cardamon, bots.....lb.15.00 -16.00
Cassia, USP, cs., dms.....lb. 1.25 - 1.30
Castor, blown, one-way dms., c.l..lb. .14¾ Nom.
l.c.l. .....lb. .15¼- —
cold pressed, USP, bbls., cl., lb. .13¼ Nom.
l.c.l. .....lb. .14 - —
cns. (1-gal.), l.c.l.....lb. .17 - —
dms. (returnable), c.l...lb. .13 Nom.
l.c.l. .....lb. .13¾- —
(5-gal.), l.c.l.....lb. .15 - —
tanks .....lb. .12¼ Nom.
extracted No. 3, tech. bbls., c.l..lb. .12¾ Nom.
l.c.l. .....lb. .13¼- —
dms. (returnable), c.l.....lb. .12¾ Nom.
l.c.l. .....lb. .13¼- —
tanks .....lb. .12 Nom.
dehydrated, dms., c.l.....lb. .131 Nom.
l.c.l. .....lb. .135 - —
tanks .....lb. .17⅛ Nom.
Castor oil, med. and No. 3, prices are divd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅝c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.
Sulphonated, 50%, (43% fat), dms., c.l..lb. .082 - —
l.c.l. .....lb. .092 - —
75% (63% fat) dms., c.l...lb. .10⅜- —
l.c.l. .....lb. .11⅝- —
80% (68% fat), dms., c.l...lb. .11 - —
l.c.l. .....lb. .12 - —
Cedarleaf, cs.....lb. .80 - .85
dms. .....lb. .75 - .80
Cedarwood, Oregon, cns., dms. lb. .28 - .30
Southern, cns., dms.....lb. .19 - .22
Celery, bots.....lb. 9.00 -10.00
Chaulmoogra, USP, cns.....lb. .72½- —
Chinawood, dms.....lb. .24¼- .26½
tanks .....lb. .23¼- .25½
Cinnamon, Ceylon, bots.....lb. 9.25 -25.00
Seychelle, bots.....lb. 7.25 - 8.00
Citronella, Ceylon, cns.....lb. .42 - .43
dms. .....lb. .40 - .41
Java, cns., dms.....lb. .39 - .40
Clove, makers, USP, cns....lb. 1.25 - 1.30
dms. .....lb. 1.20 - 1.25
Oil, coconut, Manila, crude, tanks, lb. .03⅜- —
edible, 76°, tax incl, dms. (re-turnable), c.l..lb. .07⅞- —
l.c.l. .....lb. .08⅜- —
tanks .....lb. .07⅝- —
Cod, Norwegian, shipt., bbls.gal. No prices
Codliver, med., USP, bbls..bbl.50.00 Nom.
Coriander, bots.....lb.11.50 -12.50
Corn, crude, tanks, wks.....lb. .06⅝- .06½
refd., bbls.....lb. .08¾- .09
Cottonseed, cooking, bbls.....lb. .08¾- —
salad, bbls.....lb. .09¼- —
import, Brazilian, semi-refd., bulk..lb. .0450 Nom.
Creosote (see C).
Croton, N.F., cns.....lb. 2.60 - 2.85
Cubeb, USP, cns.....lb. 8.50 - 8.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.50 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.50
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 2.10 - 2.35
California, 24 plus, bulk...bbl. 1.55 -
Dill seed, bots.....lb. 3.60 - 4.00
weed, bots.....lb. 4.00 - 5.00
Dip (see L).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, cns.....lb. .69 - .72
dms. .....lb. .66 - .69
Fennel, sweet, cns.....lb. 2.25 - 3.00
Fuel, bunker, California, tide-water..bbl. .65 - .75
Gulf Coast.....bbl. .90 - .95
Louisiana, Arkansas, 10-14, bbl. .85 - 1.00
N. Y. and N. J. terminals:—
Monday .....bbl. 1.50 - —
Tuesday .....bbl. 1.50 - —
Wednesday .....bbl. 1.50 - —
Thursday .....bbl. 1.50 - —
Friday .....bbl. 1.50 - —
Saturday .....bbl. 1.50 - —
North Texas, 18-22.....bbl. .72½- .77½
24-28, zero cold test.....bbl. 1.00 - 1.10
Oklahoma, 18-22.....bbl. .72½- .77½
24-28, zero cold test.....bbl. 1.00 - 1.05
24-28, 15 and above.....bbl. .80 - .85
Pennsylvania, 36-40.....gal. .03⅝- .04
Furnace, Bayonne, 1, bulk, refinery..gal. .0590- .06½
2, bulk, same basis.....gal. .0540- .0560
4, bulk, same basis.....gal. .0540- .0560
Louisiana - Arkansas, 32 - 36, light straw..gal. .03½- .03⅝
Oklahoma, 28-30.....gal. .03 - —
32-36 .....gal. .03⅜- .03½
36-38 .....gal. .03⅝- .03⅞
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .0540-.0560
Gulf Coast, bulk.....gal. .03½- —
North Texas, bulk.....gal. .02⅝- .02⅝
Oklahoma, bulk.....gal. .02⅜- .02⅝
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb. 2.75 - 3.10
Bourbon, cns.....lb. 2.75 - 3.10
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.55 - 1.60
Grapeseed, dms.....lb. .40 - .45
Ginger, dist., bots.....lb. 4.75 - 5.00
Guaiac wood, concrete, bots..lb. 2.80 - 2.85
Haarlem, imported, bots..gross. 5.00 - 5.50
Hemlock, cns.....lb. .65 - .70
Juniper berry, USP, cns.....lb. 2.00 - 2.25
wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, cns....lb. .55 - .65
Lard, common, 1, bbls.....lb. .08 - —
2, bbls.....lb. .07⅞- —
extra, bbls.....lb. .08⅜- —
1, bbls.....lb. .08¼- —
winter, strained, bbls....lb. .08½- —
prime, burning, bbls.....lb. .09¼- —
prime, lned., bbls.....lb. .08¾- —
Laurel, bots.....lb. 4.50 - 4.60
Lavandin, cns., 25 lbs.....lb. 3.10 - 3.25
Lavender flower, French, 50% ester, cns..lb. 5.25 - 5.30
38-42% ester, cns.....lb. 3.50 - 4.50
35-38% ester, cns.....lb. 3.00 - 3.05
30-32% ester, cns.....lb. 2.75 - 2.80
garden, cns.....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.20 - 1.85
dms. .....lb. 1.15 - 1.70
Lemon, Calif., cns.....lb. 3.00 - —
Messina, coppers, cns.....lb. 3.85 - 4.50
Terpeneless, Type 1.....lb.10.75 -16.50
Type 2.....lb. 8.50 -14.50
Lemongrass, native, cns., dms. lb. .85 - .90
Lime, dist., cns.....lb. 3.75 - 4.25
expressed, cns.....lb. 7.25 - 7.50
Terpeneless, Type 1.....lb.70.00 -78.00
Type 2.....lb.42.00 -46.50
Linaloe wood, cns.....lb. 1.35 - 1.40
Linseed, raw, bbls., c.l.....lb. .1080- .1100
l.c.l., 10 to 69.....lb. .1120- .1130
5 to 9.....lb. .1140- —
less than 5.....lb. .1160- —
tanks .....lb. .1020- .1040
Boiled linseed oil .004 cents over raw.
Lovage, bots.....lb.41.25 60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms.....gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms..gal. .26 - —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks..gal. .25 - —
15-25 pour, tanks..gal. .26 - —
150-160 D, color, 4½, 0-10 pour, tanks..gal. .26 - —
15-25 pour, tanks..gal. .24 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .25 - —
190-200 D, color 4¼, 15-25 pour, tanks..gal. .26 - —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks..gal. .12 - —
180 vis., 5 color, tanks.gal. .14½- —
4 color, tanks.....gal. .14 - —
200 vis., 3 color, tanks. gal. .15½- —
4 color, tanks....gal. .15 - —
250 vis., 3 color, tanks.. gal. .16 - —
4 color, tanks.....gal. .15½- —
280 vis., 3 color, tanks.. gal. .17½- —
4 color, tanks....gal. .17 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penn., bright, 600, 10-15 pour, tanks..gal. .28 - .32
25 pour, tanks..gal. .30 - .33
cylinder, 600 fire, tanks, gal. .17 - —
600 flash, tanks.....gal. .21 - —
630 flash, tanks.....gal. .23 - —
635 fire, tanks.....gal. .19 - —
650 fire, tanks.....gal. .20 - —
Warren, E, amber, tanks, gal. .23 - —
Warren, E, neutral, 150 vis., 3 color, tanks..gal. .25 - .27
180 vis., 3 color, tanks.gal. .27 - .29
200 vis., 2 color, tanks.gal. .27 - .32
Oil, lubricating, spot, Penna., bright, bbls., c.l., f.a.s..gal. .28 - —
unfiltered, 600 s.r....bbls., f.a.s..gal. .23 - —
600 flash, s.r., bbls., c.l. gal. .25 - —
Penna., 630 flash, bbls., c.l., f.a.s..gal. .28 - —
Warren, E., bbls., c.l., f.a.s., gal. .26 - —
smaller lots, f.o.b..gal. .27 - —
Mace, dist., cns., dms.....lb. 1.80 - 1.85
Mandarin, superior, coppers..lb. 5.25 - 5.45
Menhaden, crude, tanks, f.o.b. Balto..gal. .32 Nom.
refd., alkali, dms.....lb. .0790- —
tanks .....lb. .0670- —
blown, dms.....lb. .0810- —
kettle-bodied, dms.....lb. .0910- —
light-pressed, dms.....lb. .0730- —
tanks .....lb. .0670- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. 1.60 - 1.70
dist., natural, bots.....lb. 8.50 - 9.00
Neatsfoot, 20° cold test, bbls., lb. .17½- —
extra, bbls.....lb. .08¾- —
1, bbls.....lb. .08 - —
prime, bbls.....lb. .08⅜- —
pure, bbls.....lb. .13¼- —
sulphonated, common, 25% moisture, dms..lb. .10¼- —
Neroli, bots.....lb.100.00 -150.00
Nutmeg, USP, cns., dms.....lb. 1.80 - 1.85
Officica, dms.....lb. .18 - .19
Oleo, 1, bbls.....lb. .07¼- —
2, bbls.....lb. .07 - —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. .95 - .96
edible, dms.....gal. 1.85 - 1.95
foots, dms.....lb. .08¼- .08⅝
sulphonated, 50% (42% fat), dms., c.l..lb. .09 - —
l.c.l. .....lb. .10 - —
75% (63% fat), dms., c.l..lb. .12 - —
l.c.l. .....lb. .13 - —
80% (68% fat), dms., c.l..lb. .122 - —
l.c.l. .....lb. .132 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms., lb. 1.10 - 1.15
Calif., cns.....lb. 1.60 - —
Florida, cns.....lb. 1.15 - 1.20
Messina, USP, coppers. lb. 3.80 - 5.00
West Indies, cns....lb. 2.00 - 2.10
terpeneless .....lb.42.00 -50.00
Origanum, cns.....lb. 1.80 - —
Orris, Florentine, concrete, extra strong, bots..oz. 5.50 - 6.00
Palm, Niger, dms.....lb. .04½- —
shipment .....lb. .03⅝- —
softs, 12½%, bulk, shipt....lb. .02½- —
Sumatra, shipt., bulk.....lb. .02½- —
Palmarosa, cns.....lb. 2.25 - 2.50
Palmkernel, bulk, shipt.....lb. No prices
Paraffin, 320° flash, 60-70 vis., tanks, G.3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G.3..gal. .05¼- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G.3..gal. .05¾- —
Patchouli, bots., cns.....lb. 6.00 - 6.75
Peanut, crude, dom., tanks..lb. .06⅝- .06¾
refd., edible, bbls.....lb. .09¼- .09½
Pennyroyal, dom., cns.....lb. 3.00 Nom.
import, cns.....lb. 2.75 - 2.80
Peppermint, natural, cns., dms., lb. 2.70 - 2.95
redist., USP, cns., dms....lb. 2.95 - 3.20
Perilla, dms.....lb. .19½ Nom.
tanks .....lb. .18½ Nom.
Petitgrain, Paraguay, cns....lb. 1.55 - 1.60
Pimento berry, cns.....lb. 4.35 - 7.25
leaf, cns.....lb. 2.40 - 2.50
Pine, dest.-dist., straw-color, dms., divd., E. ports....gal. .53 - .56
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns.....lb. 1.30 - 1.35
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .17 - .17⅛
denat., bbls.....gal. 1.00 - 1.05
Red, dist. or saponif., dms., divd..lb. .07½- .08½
tanks, divd.....lb. .07 - —
Rose, artif., bots.....oz. 2.00 - 2.25
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .75 - .80
dms. .....lb. .70 - .75
Rosin, 1st rectfd., dms.....gal. .50 - —
2d rectfd., dms.....gal. .52 - —
3d rectfd., dms.....gal. .56 - —
Rue, bots.....lb. 3.00 - 3.25
Sage, cns.....lb. 2.75 - 3.00
Sandalwood, E. I., USP, cns..lb. 5.25 - 5.50
Mysore, cns., case lots....lb. 5.50 - 5.75
Sardine, crude, tanks, Pac. Cst., gal. .40 Nom.
refd., alkali, dms.....lb. .0790- —
tanks .....lb. .0730- —
kettle-bodied, dms.....lb. .0910- —
light-pressed, dms.....lb. .0730- —
tanks .....lb. .0670- —
Sassafras, artif., cns.....lb. .73 - .74
dms. .....lb. .70 - .71
natural, cns., dms.....lb. 1.15 - 1.20
Savin, cns.....lb. 2.20 - 2.25
Savory, cns.....lb. 3.50 - 3.75
Sesame, refd., dom., dms....lb. .16 Nom.
Shingle stain, bbls., c.l., wks., gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.00
Soybean, dom., crude, dms....lb. .07 - .07½
tanks .....lb. .06¼- —
refd., dms.....lb. .08 - .08¾
tanks .....lb. .07¼- .07¾
Spearmint, dms.....lb. 2.20 - 2.30
Sperm, bleach, 38°, dms.....lb. .1050- —
45°, dms.....lb. .0980- —
natural, dms.....lb. .0930- —
Spruce, cns., dms.....lb. .65 - .70
Sweet, birch, North, cns.....lb. 2.25 - 2.65
South, cns.....lb. 1.55 - 1.70
Tall, crude, dms., c.l., works, ton.40.00 - —
l.c.l., works.....ton.45.00 -50.00
tanks, works.....ton.30.00 -
distilled, dms., c.l., divd....lb. .05½- .07
l.c.l., divd.....lb. .06½- .08¼
tanks, divd.....lb. .05 - .06¾
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03½- —
Tallow, acidless, bbls.....lb. .08 - —
tanks .....lb. .07½- —
Tansy, cns.....lb. 6.15 - 6.25
Tar, pine, com'l, dms., divd. E. cities..gal. .26 - —
E. ports.....gal. .25 - —
tanks, divd. E. cities....gal. .30 - —
rectfd., USP, bbls., divd., E. ports..gal. .59 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .12½ Nom.
Tea Tree (see Oil, Ti tree).

Nickel Carbonate—Paraffin

Oil, thyme, NF, red, dms.....lb. .80 - 1.75
white, dms.....lb. .95 - 1.95
Tung (see Oil, chinawood).
Ti tree, cns.....lb. 2.30 - 2.80
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 6.00 - —
Valerian, bots.....lb. 8.00 - 9.00
Vetiver, bots.....lb. 8.50 -15.00
Whale, ref., natural, dms..lb. .0910- —
winter, bleach, dms.....lb. .0950- —
Wheat germ, cns., dms....gal.17.50 -25.00
White, mineral, dom., dms., **tech., 50-60 vis., dms.gal. .33 - .34**
65-75 vis., dms.....gal. .40 - .46
80-90 vis., dms.....gal. .41 - .47
USP, 80-90 vis., dms....gal. .44½- .50
95-105 vis., dms.....gal. .57 - .58
125-135 vis., dms.....gal. .64½- .65½
140-150 vis., dms.....gal. .67 - .69
175-185 vis., dms.....gal. .72½- .73½
200-210 vis., dms.....gal. .74½- .75½
320-330 vis., dms.....gal. .78 - .81
335-345 vis., dms.....gal. .81 - .83
Russian, 80-90 vis., dms.gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 4.35 - 5.00
South, cns.....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 4.30 - 4.40
Wormwood, cns.....lb. 5.40 - 5.85
Ylang-ylang, Bourb., bots., cns. lb. 2.50 - 8.00
manila, bots.....lb.18.00 -22.00
Olivine, aggregate, c.l., mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
ground, 325 mesh, c.l., mines, ton.20.00 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust.....ton.12.00 - —
Opium USP, cns.....lb.11.50 -12.50
gran., cns.....lb.12.50 -13.50
powd., cns.....lb.13.50 -18.50
Orange Lake, Persian, bbls....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .10¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11¼- —
Colo., Mont., N. M., Wyo..lb. .11 - —
Other points.....lb. .10½- —
Smaller lots, divd., Ala., etc. lb. .11¼- —
Ariz., etc.....lb. .11¾- —
Colo., Mont., N. M., Colo., Mont., N. M., Wyo..lb. .11½- —
Other points.....lb. .11 - —
French, Tours, casks, ex dock..lb. .13½- —
kgs., ex dock.....lb. .14½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .50 - .65
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls.....lb. .12 - .13
Orris root, Florentine, bgs.....lb. .14 - .17
fingers, cs.....lb. 1.15 - 1.20
powd., bbls., bxs.....lb. .21 - .22
Verona, bls.....lb. .15 - .16
powd., bxs., cs.....lb. .19 - .20
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .82 - —
Orthocresol, dms., c.l., works.lb. .16 - —
l.c.l., same basis.....lb. .16¼- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., same basis.....lb. .07 - —
100-lb. tins, same basis.lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05¼- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange extract, cryst., bbls., lb. .21 - —
liquid, 42°, bbls.....lb. .09 - —
51°, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00
Orthotoluene hydrochloride,dms.lb. .22 - —
Sulphonate, kgs.....lb. 2.00 - 2.05

P

Papain, powd., cs.....lb. 1.45 - 1.50
Paprika, Bulgarian, bgs.....lb. .23½- .24
Hungarian, extra fancy, bgs.lb. .33¾- .33¾
medium, bgs.....lb. .30 - .30½
Portuguese, extra fancy, bgs.lb. .31½- .32
fancy, bgs.....lb. .30½- .31
Spanish, extra fancy, cs.....lb. .37 - .38
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l. .....lb. .12½- .15½
Paraffin, crude, scale, white 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .06¼- —
bbls., c.l., N.Y.....lb. .04¾- —
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .06¼- .06½
bbls., c.l., N.Y.....lb. .04¾- .0485
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .04¾- —
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb. .0660- —
loose, c.l.....lb. .0625- —
125-Amp., bgs., cl.....lb. .0675- —
loose, c.l.....lb. .0640- —
128-130 A.m.p., bgs., or loose, c.l..lb. .0680- —
131-133 A.m.p., bgs., or loose, c.l..lb. .0705- —
133-135 A.m.p., bgs., or loose, c.l..lb. .0730- —
135-137 A.m.p., bgs., or loose, c.l..lb. .0755- —
138-140 A.m.p., bgs., or loose, c.l..lb. .0830- —
143-145 A.m.p., bgs., or loose, c.l..lb. .0925- —
151-153 A.m.p., bgs. or loose, c.l..lb. .70 Nom.

Refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is 5c. lower.

match, A.m.p. up to and incl. 116-112 bbls., c.l..lb. .06¼ Nom.
semirfd., solid, 122-124 A.m.p., bgs..lb. .06½ Nom.

AMERICAN

ELDROL

WHITE
MINERAL OILS

U. S. P. AND TECHNICAL
PETROLATUMS

PETROLATUMS

U. S. P.

Extra White
Snow White
Lily White
Cream White
Golden Amber
Extra Light Amber
Light Amber
Amber

U. S. P.
AND
TECHNICAL WHITE OILS

All products are guaranteed as to quality and uniformity. Specific information and experimental samples furnished on inquiry.

PENNSYLVANIA OIL PRODUCTS
REFINING COMPANY

WARREN PENNSYLVANIA

Paraformald—Phos. Rock

Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C.	lb.	.34 -	—
100 to 900 lbs. shipments, same basis.	lb.	.35 -	—
Paraldehyde, tech., 98%, 55 and 100 gal. dms., c.l., works.	lb.	.10 -	—
l.c.l., works	lb.	.11½-	—
5 and 10-gal. dms., works.	lb.	.15 -	—
USP, cs., cbys	lb.	.37 -	.45
Paranisidine, dms.	lb.	.75 -	—
Paranitroanilin, kgs., works.	lb.	.47 -	—
Paranitrochlorobenzene, kgs.	lb.	.15 -	—
Paranitrophenol, kgs.	lb.	.35 -	—
Paranitrotoluene, kgs.	lb.	.30 -	—
Paraphenylenediamine, bbls.	lb.	1.25 -	1.30
Paratoluenesulphonamide, bbls.	lb.	.70 -	—
Paratoluidin, bbls.	lb.	.48 -	—
Pareira brava root, bls.	lb.	.20 -	.21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23 -	.25
less car lot, same basis.	lb.	.24 -	.26
Passion flower, herb, bls.	lb.	.08 -	.09
Patchouli leaves, bls.	lb.	.28 -	.30
Pellitory root, bls.	lb.	.28 -	.29
Pennyroyal leaves, bls.	lb.	.15 -	.16
Pentanes norm., 28-38°, dms., c.l., G.3.	gal.	.11½-	—
l.c.l., G.8	gal.	.16 -	—
tanks, G.3	gal.	.08½-	—
laboratory grade, dms., c.l., G.3,	gal.	.14 -	—
l.c.l., G.3	gal.	.25 -	—
Pepper, black, Aleppey, bgs.	lb.	.07¾-	.08¼
Lampong, bgs.	lb.	.04 -	.04¾
Tellicherry, bgs.	lb.	.07¾-	.08
Red, chillies, Japan, Hontaka,	lb.	.17 -	.17½
Mombassa, bgs.	lb.	.27 -	.28
White, Java, Muntok, bgs.	lb.	.07½-	.08
Saigon, bgs.	lb.	.07½-	.08
Peppermint leaves, dom., bls.	lb.	.35 -	.40
import, bls.	lb.	.45 -	.50
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08 -	—
l.c.l., same basis	lb.	.08½-	—
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½-	—
l.c.l., same basis	lb.	.09 -	—
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 -	—
l.c.l., same basis	lb.	.09½-	—
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 -	—
l.c.l., same basis	lb.	.09½-	—

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	.95 -	1.00
Petrolatum, amber, dms., c.l.	lb.	.03¼-	—
l.c.l.	lb.	.04¼-	—
amber, extra, dms.	lb.	.03⅝-	—
l.c.l.	lb.	.04⅜-	—
veterinary, dms., c.l.	lb.	.03⅞-	—
white, cream, dms., c.l.	lb.	.04½-	—
l.c.l.	lb.	.06 -	—
lily, dms., c.l.	lb.	.05½-	—
l.c.l.	lb.	.07 -	—
snow, dms., c.l.	lb.	.06½-	—
l.c.l.	lb.	.08 -	—
Petroleum, crude, bulk, at wells:—			
California	bbl.	.60 -	1.75
Canada	bbl.	2.10 -	2.17
Central West:—			
Illinois	bbl.	.53 -	1.00
Lima	bbl.	.90 -	—
Michigan	bbl.	.82 -	1.02
Princeton	bbl.	1.05 -	—
East Texas	bbl.	1.10 -	—
Gulf Coast	bbl.	.74 -	1.41
Kentucky, Tennessee	bbl.	1.02 -	1.10
Louisiana, Arkansas	bbl.	.73 -	1.20
Mexico	bbl.	No prices	
Midcontinent:—			
North Texas	bbl.	.51 -	1.10
Oklahoma-Kansas	bbl.	.58 -	1.10
Pennsylvania, Ohio, West Virginia:—			
Bradford-Allegany	bbl.	2.75 -	—
Corning	bbl.	1.17 -	—
Pennsylvania grade, in Buckeye lines.	bbl.	1.70 -	—
Eureka lines.	bbl.	2.34 -	—
N. Y. Transit lines.	bbl.	2.75 -	—
S. W. Penn lines.	bbl.	2.40 -	—
lower district in National Transit lines.	bbl.	2.63 -	2.75
Rocky Mountains.	bbl.	.51¼-	1.30
South Central and Southwestern Texas.	bbl.	.73 -	1.27
Texas Panhandle.	bbl.	.67 -	.96
West Texas.	bbl.	.53 -	.95
Ether, 30-60°, dms., c.l., G.3,	gal.	.14½-	—
l.c.l., G.3	gal.	.25½-	—
tanks, G.3	gal.	.13½-	—
35-60°, dms., l.c.l., G.3	gal.	.30½-	—
40-75°, dms., c.l., G.3	gal.	.14½-	—
l.c.l., G.3	gal.	.25½-	—
tanks, G.3	gal.	.13½-	—
laboratory grade, dms., c.l., G.3.	gal.	.14½-	—
c.l., G.3	gal.	.25½-	—
10-gal. lots, G.3	gal.	.50½-	—
Lacquer, diluent, at refinery:—			
California, 100 i.b.p., 200 e.p., tanks, dlvd. Los Angeles.	gal.	.11 -	—
San Francisco.	gal.	.11½-	—
f.o.b. Richmond	gal.	.11 -	—
Willbridge, Ore., Ft. Wells, Wash.	gal.	.12 -	—
East Coast, tanks	gal.	.09½-	.10
Group 3, toluol type, tanks,	gal.	.07⅝-	—
benzol type, tanks	gal.	.07⅞-	—
Petroleum, naphtha, cleaners', at refinery:—			
East Coast, tanks	**gal.**	**.09 -**	**.10⅛**
Group 3, tanks	**gal.**	**.06⅞-**	**.07**
tankwagon, Boston, ex tax,	**gal.**	**.13½-**	**—**
Bridgeport	**gal.**	**.13¼-**	**—**
Chicago, inc. 4c. tax.	**gal.**	**.18 -**	**—**
Decatur, inc. 4c. tax.	**gal.**	**.1910-**	**—**
Des Moines, inc. 4c. tax,	**gal.**	**.1890-**	**—**
Evansville, inc. ex tax.	**gal.**	**.15 -**	**.16**
Milwaukee, inc. 5c. tax,	**gal.**	**.2030-**	**—**
Minneapolis-St. Paul, inc. 5c. tax.	**gal.**	**.20½-**	**—**
Newark, ex tax	**gal.**	**.10½-**	**—**
New York, ex tax	**gal.**	**.10½-**	**—**
Omaha, ex tax	**gal.**	**.1490-**	**.1590**
Oklahoma City, ex tax.	**gal.**	**.16½-**	**—**
Philadelphia, ex tax	**gal.**	**.12 -**	**—**
St. Louis, inc. 1c. tax.	**gal.**	**.15½-**	**—**
Syracuse, 150 gals.	**gal.**	**.14½-**	**—**
smaller lots, galv. drums,	**gal.**	**.10 -**	**—**
Petroleum naphtha, cleaners, milk cans.	gal.	.21 -	—
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway.	**gal.**	**.18 -**	**—**
2, over 90% arom., same basis.	**gal.**	**.19 -**	**—**
3, same basis	**gal.**	**.20 -**	**—**
8, tanks, f.o.b. Paulsboro, N. J.	**gal.**	**.15½-**	**—**
30, same basis	**gal.**	**.16¾-**	**—**
40, same basis	**gal.**	**.16½-**	**—**
v.m.&p., at refinery:—			
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11 -	—
Richmond.	gal.	.11½-	—
Willbridge, Ore., Ft. Wells, Wash.	gal.	.12 -	—
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles,	gal.	.10 -	—
San Francisco.	gal.	.10½-	—
Portland, Seattle.	gal.	.11 -	—
East Coast, tanks.	gal.	.09½-	—
Group 3, tanks.	gal.	.06¾-	.07
tankwagon, Boston, ex tax,	gal.	.14¼-	—
Chicago, inc. 4c. tax.	gal.	.17 -	—
Des Moines, inc. 4c. tax.	gal.	.1890-	—
Decatur, inc. 4c. tax.	gal.	.1910-	—
Evansville, Ind., ex tax,	gal.	.1520-	.1620
Milwaukee, inc. 5c. tax.	gal.	.2030-	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20 -	—
Newark, ex tax	gal.	.11½-	—
New York, ex tax	gal.	.10½-	—
Omaha, ex tax	gal.	.1490-	.1590
Philadelphia, ex tax.	gal.	.13 -	—
St. Louis, inc. 1c. tax.	gal.	.1570-	—
Solvent, rubber, at refinery, East Coast, tanks.	gal.	.09½-	—
Group 3, light, 120 i.b.p., 250 e.p., tanks.	gal.	.06¾-	.07
standard, 180 i.b.p., 288 e.p., tanks.	gal.	.06¾-	.07
Stoddard (CS 8-38), at refinery:—			
East Coast, tanks	**gal.**	**.08¾-**	**.09¼**
Group 3, tanks	**gal.**	**.06¾-**	**.07¼**
tankwagon, Boston, ex tax,	**gal.**	**.14 -**	**—**
Chicago, inc. 4c. tax.	**gal.**	**.1640-**	**—**
Decatur, inc. 4c. tax.	**gal.**	**.1860-**	**—**
Des Moines, inc. 4c. tax.	**gal.**	**.1840-**	**—**
Evansville, Ind., ex tax.	**gal.**	**.14 -**	**.15**
Milwaukee, inc. 5c. tax.	**gal.**	**.1980-**	**—**
Minneapolis-St. Paul, inc. 5c. tax.	**gal.**	**.1820-**	**—**
Newark, ex tax	**gal.**	**.09½-**	**—**
New Orleans, ex tax.	**gal.**	**.11 -**	**—**
New York, ex tax	**gal.**	**.09½-**	**—**
Omaha	**gal.**	**.1360-**	**.1440**
Philadelphia, ex tax.	**gal.**	**.13 -**	**—**
St. Louis, inc. 1c. tax.	**gal.**	**.1340-**	**—**
Tulsa, ex tax.	**gal.**	**.10½-**	**.11⅛**
Thinners, at refinery:—			
California, 166-252 b.r., 59.5 a.p.i., tanks, ex tax, Los Angeles.	gal.	.10 -	—
Portland	gal.	.11 -	—
San Francisco.	gal.	.10½-	—
Seattle	gal.	.11 -	—
198-290 b.r., 56.4 a.p.i., tanks, ex tax, Los Angeles.	gal.	.10 -	—
Portland	gal.	.11 -	—
San Francisco.	gal.	.10½-	—
Seattle	gal.	.11 -	—
246-397 b.r., 47.7 a.p.i., tanks, ex tax, Los Angeles.	gal.	.10 -	—
Portland	gal.	.11 -	—
San Francisco.	gal.	.10½-	—
Seattle	gal.	.11 -	—
312-408 b.r., 40.8 a.p.i., tanks, ex tax, Los Angeles.	gal.	.08½-	—
Portland	gal.	.09½-	—
San Francisco.	gal.	.09 -	—
Seattle	gal.	.09½-	—
318-393 b.r., 35.2 a.p.i., tanks, ex tax, Los Angeles.	gal.	.13 -	—
Portland	gal.	.14 -	—
San Francisco.	gal.	.13 -	—
Seattle	gal.	.14½-	—
East Coast, 43-47, tanks.	gal.	.08¾-	.09¼
47-49, tanks	**gal.**	**.10⅛-**	**—**
New Jersey, tanks	**gal.**	**.09 -**	**—**
Group 3, tanks.	gal.	.05⅞-	—
tankwagon, tax included:—			
Albany	**gal.**	**.13½-**	**—**
Baltimore (100 gals.).	**gal.**	**.14 -**	**—**
25-99 gals.	**gal.**	**.16 -**	**—**
Boston	**gal.**	**.13½-**	**—**
Bound Brook, North Amboy, N. J.	**gal.**	**.13⅜-**	**—**
Bridgeport, Conn.	**gal.**	**.11½-**	**—**
Buffalo	**gal.**	**.15½-**	**—**
Camden, N. J.	**gal.**	**.10 -**	**.11⅛**
Chicago	**gal.**	**.1670-**	**—**
Decatur	**gal.**	**.1810-**	**—**
Des Moines.	**gal.**	**.1790-**	**—**
Evansville, Ind.	**gal.**	**.1420-**	**.1520**
Milwaukee	**gal.**	**.1930-**	**—**
Minneapolis-St. Paul.	**gal.**	**.19½-**	**—**
Newark	**gal.**	**.09½-**	**—**
New York (200 gals.).	**gal.**	**.09½-**	**—**
Omaha	**gal.**	**.1360-**	**.1460**
Philadelphia	**gal.**	**.12½-**	**—**
Pittsburgh	**gal.**	**.11½-**	**.13⅛**
Providence	**gal.**	**.12 -**	**—**
Rochester	**gal.**	**.12½-**	**—**
St. Louis.	**gal.**	**.1470-**	**—**
Syracuse	**gal.**	**.13 -**	**—**
Trenton	**gal.**	**.10½-**	**—**
Wilmington, Del.	**gal.**	**.12½-**	**—**
Phenobarbital, 5-lb. bots.	**lb.**	**3.95 -**	**—**
bots, or cns., 100 lbs., spot or contract.	**lb.**	**3.60 -**	**—**
25-lb. cns.	**lb.**	**3.85 -**	**—**
Phenol, USP, dms., c.l., works, frt. equald.	**lb.**	**.13 -**	**—**
l.c.l., same basis	**lb.**	**.13¾-**	**—**
under 1,000 lbs.	**lb.**	**.14¾-**	**—**
tanks, works.	**lb.**	**.12 -**	**—**
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots.	**lb.**	**.85 -**	**—**
bbls., dms., kegs, 100-250 lbs., to.		**.87 -**	**.89**
Phenolphthalein, yellow, fib, dms., 2,000-lb. lots.	lb.	.80 -	—
100-lb. fib, dms.	lb.	.82 -	—
25-lb. dms.	lb.	.87 -	—
50-lb. kgs.	lb.	.84 -	—
Phenyl chloride, dms.	lb.	.17 -	—
Phenylacetaldehyde, bots.	lb.	2.10 -	2.50
Dimethylacetate, cns.	lb.	14.50 -	15.00
Phenyl ethyl acetate, cns.	lb.	2.45 -	2.50
Phenylethylphenyl acetate, bots.,	lb.	7.90 -	15.50
Phenylhydrazine, base, CP, bots.	lb.	4.00 -	—
hydrochloride, CP., bots., works.	lb.	4.00 -	—
commercial, kgs., works.	lb.	1.50 -	—
pure, bbls., works.	lb.	2.25 -	—
Phloroglucinol, CP, tins, works.	lb.	20.00 -	22.00
tech., tins, works.	lb.	15.00 -	16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines.	long ton.	4.35 -	—
land pebble, 68% min., bulk, mines.	long ton.	1.90 -	—
70% min., bulk, mines.	long ton.	2.15 -	—

OIL, PAINT AND DRUG REPORTER

April 22, 1940

APR 22 1940

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Prepared Monthly by U. S. Industrial Chemicals, Inc.

USI ALCOHOL NEWS USI

April ★ A Monthly Series of Technical Articles for Chemists and Executives ★ 1940

Alcohol Has Many Applications in Shoe Manufacture

Finds Diversified Uses in Fields Of Real and Fabricated Leather

Diversity of application has made alcohol an indispensable material in the manufacture of shoes from both real and artificial leather. In the initial steps of the shoe manufacturing process, it is employed in tanning processes in the case of real leathers, while it is an essential component of the coating compositions used in making fabricated leather.

Alcohol finds extensive use in the production of patent, glazed, and lacquered leathers, and is an ingredient of shoe dyes. Still another application is in the preparation of the lacquers used on eyelets and shoe-lace tips. Insoles made from synthetic split leather produced by the pyroxylin process offer another use for alcohol.

An interesting flow sheet traces the manufacture of Industrial Ethyl Alcohol from the planting of the sugar cane and corn to the final product. Copies of this flow sheet may be obtained free of charge by writing U.S.I. Ask for Bulletin AM.

Dr. H. L. Fisher of U.S.I. Receives Pioneer Award

NEW YORK, N. Y.—Dr. Harry L. Fisher, of U. S. Industrial Chemicals, Inc., was selected as one of the Modern Pioneers recently honored by the National Association of Manufacturers.

Dr. Fisher was chosen for this honor because of his outstanding achievements in the field of rubber chemistry and technology. He holds many patents in this field, the most notable being those covering materials used for adhering rubber to metal, as well as a process for their application, all of which have made possible substantial savings in cost, together with greater safety in handling chemical solutions.

Dr. Fisher is an authority on non-sulphur vulcanization of rubber. He has patented several processes in this field, and delivered a paper on the subject at the Goodyear Centennial Celebration of the American Chemical Society last fall. He is the author of "Laboratory Manual of Organic Chemistry."

Dr. Fisher joined the staff of U.S.I. in 1936, and makes his headquarters at the company's research laboratories in Stamford, Conn.

Uses Vinegar Addition in Alcoholic Massage Creams

WASHINGTON, D. C.—The addition of small quantities of white vinegar to alcohol makes it possible to combine the alcohol with a toilet cream to form a massage cream that gives a rollable film, it is claimed in a patent issued to an inventor here.

A low molecular fruit acid, such as citric or tartaric, may be used in place of the vinegar, it is said.

Bacteria Replace Rats in Making Accurate Tests for Riboflavin

U.S.I. Makes Extensive Use of Snell-Strong Assay Method In Controlling Quality of Vitamin Concentrate Production

Extraordinary accuracy in assaying the potency of riboflavin concentrates, together with marked savings in time, has been made possible by the perfection of an assay method based on the effect of riboflavin on lactic acid organisms.

In pioneering activities in the vitamin field, the most commonly used testing method involved studying the growth of white rats over a four-weeks' period. Discovery of the fact that the lactic acid organisms need riboflavin for their growth led to the extended application of the Snell-Strong method. This method has been used almost exclusively by U.S.I.'s research staff in developing and controlling the quality of the company's flavin concentrate for use in mixed feeds.

Effect on chicks of a diet deficient in vitamins is illustrated by these two photographs. Upper photograph shows effect of pantothenic acid deficiency; lower, riboflavin deficiency. (Courtesy of the Poultry Department, Cornell University.)

Delicate Response

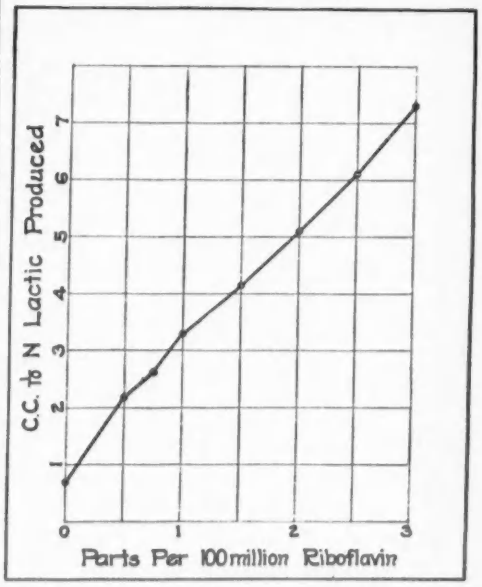
The response of the lactic acid bacteria to riboflavin is amazingly delicate. In carrying out the test, a culture solution is first prepared. Riboflavin is carefully eliminated from this solution, which, however, is adequate in other respects. No bacterial growth occurs in this solution.

When pure crystalline vitamin is added, in amounts as small as 3 parts per 100,000,000, rapid bacterial growth begins. The solution becomes turbid, and lactic acid is formed in an amount corresponding to the vitamin addition.

Applicable to Pantothenic Acid

By suitable modifications of the culture medium, the same type of bacteria may be used to measure another vitamin, pantothenic acid, which was formerly assayed by chick tests. It is thus possible, in the case of these two important food factors, to substitute a bacterial culture for the rats used in the earlier tests. The time required by this method is measured in days instead of months. Re-

(*Continued on next page*)



This curve, prepared from assay tests made by the U.S.I. laboratories, represents the average titration of individual 10cc. tubes of culture media containing the lactic acid organisms used in the assay. Tubes were prepared with various quantities of riboflavin as indicated in the graph. The effect of extremely small quantities of riboflavin is clearly indicated.

Make Emulsions Containing Large Amounts of Alcohol

WESTFIELD, N. J. — That thickening agents can be used to permit the preparation of emulsifying compounds containing as high as 50% of alcohol is claimed in a patent granted to inventors here and at Roselle Park. N. J.

Alcohol is ordinarily difficult to emulsify, it is said, particularly with mineral oil, but properly selected thickeners are reported to allow the preparation of emulsions containing large proportions of alcohol, and displaying good stability and durability.

A typical thickener can be produced by polymerizing such compounds as isobutylene at low temperatures in the presence of a catalyst, according to the patent. The process is said to be applicable to ethyl, methyl, propyl, and isopropyl alcohols.

Dyes, perfumes, medicaments, or materials to increase detergent properties can be added to the emulsions in small quantities, it is claimed.

Finds New Ergot Component

CATONSVILLE, Md.—A method for preparing a component of ergot described as hitherto unknown has been patented by an inventor here.

The new component can be prepared from crude ergot or from crude ergot extracts, it is said. Important step in the process is mixing the ergot with an aqueous alkaline solution and then extracting with a solvent such as ethyl ether or acetone.

Ethyl Ether and Acetone are produced by U.S.I.

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April ★ ALCOHOL NEWS ★ 1940

Improves Antiseptics with Ethyl and Benzyl Alcohols

NEWARK, N. J.—How improved antiseptic preparations can be made by using a solvent consisting of ethyl and benzyl alcohols is revealed in a patent granted to an inventor here.

In these preparations the ethyl alcohol is said to act as a primary solvent and the benzyl alcohol as a secondary solvent. Choice of these two solvents is based on the fact that the primary solvent must dissolve both the antiseptic compound and the secondary solvent. The secondary solvent must be one in which the antiseptic compound is more soluble than it is in the primary solvent. Secondary solvent must also be substantially insoluble in aqueous media.

Colloidal Dispersion Formed

When antiseptic preparations of this type are diluted in aqueous media, the secondary solvent apparently becomes colloidally dispersed and carries with it in solution the bulk of the antiseptic compound, according to the patent. The antiseptic compound is much more effective as a germicide in this colloidal suspension, it is claimed.

Percentages for a typical preparation are given as follows:

Ethyl alcohol	50
Benzyl alcohol	8
Isopropyl alcohol	10
Ortho-phenylphenol	1
Chrysoidin-y	0.2
Water, to make	100

The isopropyl alcohol is said to serve as a defatting agent that enables the antiseptic to penetrate fatty tissue with greater ease.

Ethyl Alcohol is produced by U.S.I.
Isopropyl Alcohol is sold by U.S.I.

Uses Alcohol to Make Wadding

WEINHEIM, Germany—Absorbent wadding suitable for surgical purposes can be prepared by converting animal hide material into a swollen condition in which the fibers can be mechanically isolated, then shredding and treating the resulting coarse fibrous material with alcohol or acetone, according to a U. S. patent issued to an inventor here.

Alcohol and Acetone are produced by U.S.I.

Gives Dry Shampoo Formula

A basic formula for a "dry" shampoo has the following proportions, according to *Soap, Perfumery and Cosmetics:*

	Parts
Ammonia solution	3
Eau-de-Cologne compound	2
Denatured alcohol	45
Distilled water	50

Sterilize Many Materials By Using Ethylene Oxide

CHICAGO, Ill.—That ethylene oxide, widely used for its insecticidal properties, is adaptable to sterilization processes also is revealed in three patents granted to two inventors here.

Basis of the process is said to consist in first activating the material to be sterilized by subjecting it to a vacuum, usually with preliminary heating. Undiluted ethylene oxide is then introduced at concentrations high enough to effect sterilization.

Special advantage of the process, it is claimed, is that it allows sterilization of gums, gelatin, pectin, pancreatin, etc., without adverse effect on viscosity and other desirable characteristics. Suggested fields of application include foods, drugs and medicines, dentrifices, finished cosmetics and cosmetic ingredients.

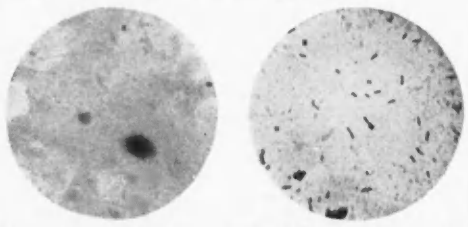
Snell-Strong Test Gives Accurate Riboflavin Assay

(*Continued from previous page*)

sults are more consistent and reliable, since the number of tests can be greatly increased. A further advantage over purely chemical methods is that the reaction of living protoplasm is used to give the vitamin potency of the substance under test.

Experience Indicates Advantages

The advantages of the Snell-Strong test are clearly indicated by U.S.I.'s experience in the development of its flavin concentrate. The rapidity of the test allowed the development work to be completed in a fraction of the time that would have been needed for rat assays. Moreover, the method is admirably adapted to control of plant operation to assure output of uniform vitamin potency.



These two photomicrographs illustrate the application of the Snell-Strong test in the assay of vitamins. The two culture solutions are identical in all respects, except that riboflavin has been added to the solution at the right in the proportion of 3 parts per 100,000,000. There is not a single prganism in the culture at the left. In the one at the right, bacteria are to be found in large numbers.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A cosmetic material is described as consisting of the isopropyl esters of fatty acids, chiefly myristic and palmitic. When rubbed into the skin, it gives a smooth, velvety feeling without leaving a greasy surface, according to the maker, who recommends it for use in hand creams, brushless shaving creams, lotions, and many other products. **(No. 320a)**

U S I

A sealing compound for flowed-in gaskets in closures is said to resist oil. Oily products have been kept under this seal for more than a year the maker states. **(No. 321a)**

U S I

A new ointment is said to be of a white coal tar type, which does not stain clothing or skin, nor give off an unpleasant odor. It is reported to replace black coal tar ointment where this type of treatment is indicated. **(No. 322a)**

U S I

An absorption base now being produced by a domestic manufacturer is said to be equal in every respect to the imported base previously distributed by the same company. **(No. 323a)**

U S I

Grape seed oil is said to be suitable for use in creams, lotions, lather and brushless shaving creams, and other products where a fixed oil is needed. It is almost odorless and colorless and has excellent keeping qualities, it is claimed. **(No. 324a)**

U S I

A micro balance now on the market is reported to be made domestically and to be sensitive to 0.001 mg. It is said to be equipped with a metal case that provides stability and resistance to vibration. **(No. 325a)**

U S I

A new fixative for pine odors is composed of natural pine derivatives, according to the manufacturer. It is said to aid in extending aromatic life of the usual pine constituents. **(No. 326a)**

U S I

A melting unit is said to be especially suitable for melting wax, gummy or viscous substances, and other materials where it is desired to prevent contamination of the substances by metal. **(No. 327a)**

U S I

A new emulsifier is described as a wax-like product especially developed for the preparation of greaseless creams having an acid reaction. It is said to give stable emulsions in the presence of such acids as citric, lactic, and salicylic. **(No. 328a)**

U S I

Heating kettles of aluminum are said to be light in weight and to be suitable for a wide variety of melting and emulsifying applications. **(No. 329a)**

U.S.I. INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., N. Y. (U.S.I.) BRANCHES IN ALL PRINCIPAL CITIES

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ALCOHOLS
Amyl Alcohol
Butyl Alcohol
Fusel Oil—Refined
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Anhydrous
Absolute
C. P. 96%
Pure (190 proof)
Specially Denatured
Completely Denatured
U. S. I. (Denatured Alcohol Anti-freeze)
*Super Pyro Anti-freeze
*Solox Proprietary Solvent

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Ansol PR

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Acetic Ether
Amyl Acetate
Butyl Acetate
Ethyl Acetate

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*Diatol
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Diethyl Oxalate
Ethyl Chlorocarbonate
Ethyl Formate
Ethyl Lactate

*Registered Trade Mark

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Dibutyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate

OTHER ESTERS
Amyl Propionate
Butyl Propionate
Dibutyl Oxalate

INTERMEDIATES
Acetoacetanilid
Acetoacet-o-chloranilid
Acetoacet-o-toluidid
Ethyl Acetoacetate
Sodium Ethyl Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone, C.P.
Collodions
*Curbay Binders
*Curbay X (Powder)
Dere»
Ethylene
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
*Vacatone
*Curbay B-G

Phosphate rock, Fla., land pebble, 72% min., bulk, mines, long ton. 2.40 - —
75% basis, 74% min., bulk, mines..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases.....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons, lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld., E. of Miss. R..lb. .14½ - —
l.c.l., same basis.....lb. .15½ - —
Pichi leaves, bgs.....lb. .13 - .14
Pilocarpine hydrochloride, bots., vis..oz. 4.25 - 4.30
Nitrate, bots., vis.....oz. 4.15 - 4.20
Pimento, bgs.....lb. .19 - .20
Pinkroot, bls.....lb. .40 - .41
Pitch, burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l. .....ton.22.00 - —
Hardwood, 1-time, dms., c.l., dlvd. Akron..ton.23.75 -24.00
Linseed, dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd., E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .07 - .07½
Pomegranate bark, bgs.....lb. .52 - .58
Root bark, bgs.....lb. .47 - .48
Poppy flowers, red, bls.....lb. .90 - 1.00
Seed, Dutch, bgs.....lb. .13¼- .13½
Hungarian, bgs.....lb. No stocks
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd...lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. No prices
kgs., 100 lbs.....lb. No prices
gran., bbls., 250 lbs.....lb. No prices
kgs., 100 lbs.....lb. No prices
Bichromate, spot., c.l., works, lb. .08⅝- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls. 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03125- —
tanks, same basis.....lb. .0275- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07⅛
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03⅝
tanks .....lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06⅝
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .10¼- .12
gran., kgs.....lb. .12 - .14½
powd., kgs.....lb. .10 - .12½
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP., gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, cns., dms.....lb. No prices
Cyanide, gold, 11% gold, bots. works..oz.14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots..lb. 1.60 -1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
25 to 50 lbs.....lb. .75 - —
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.31 - 3.35
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.35 - —
bots., or cns.....lb. 1.44 - 1.70
dms. .....lb. 1.25 - 1.30
Kainit, 20% K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton.12.25 - —
Manure salt, dom., run of mine, approx. 30% K_2O, bulk, c.i.f. ports..unit-ton. .53½- —
import, 30% K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton.17.55 - —
Metabisulphite, kgs.....lb. .13 - .16
Muriate, dom., all strengths, min., 50% K_2O, bulk, unit-ton. .53½- —
import, all strengths, min. 60% KCl, basis 50% K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton.26.75 - —
60% K_2O, bulk, ex-vessel, Atlantic or Gulf ports. ton.32.10 - —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs...lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports. ton.55.00 Nom.
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .36 - .45
Yellow, bbls.....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .13 Nom.
100 lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls.....lb. .19 Nom.
100 lb. kgs.....lb. .21 - —
tech., 90-95%, min. 90%, bgs., ex-vessel, Atlantic or Gulf ports..ton.36.25 - —
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —

Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt., ton.24.75 - —
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .45 - —
Prickly ash bark, bls.....lb. .15 - .16
Berries, bgs.....lb. .30 - .35
Prince's pine herb, bls.....lb. .22 - .23
Propane, tanks, Group 3.....gal. .03⅝- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .30 nom.
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03½- —
less than 3, works....lb. .04½- —
F and 1, bbls., 3 or over, works..lb. .04 - —
less than 3, works....lb. .04½- —
O, O-½, O-⅝, and ¼, bbls., 3 or over, works.....lb. .04½- —
less than 3, works....lb. .04½- —
Ital.-grd., bgs., c.l., shipt. ex dock, N. Y..ton.39.00 Nom.
l.c.l., 5-29 tons, ex whse., ton.44.00 Nom.
1,000-10,000 lbs., ex whse..ton.46.00 Nom.
3 bgs., to 1,000 lbs., ex whse, ton.48.00 Nom.
single bgs., ex whse.ton.60.00 Nom.
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 5.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Sell test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 7.15 - 7.50
(30 to 1) 3.6% pyrethrin, 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gals., or more, standard brand, odorless..gal.10.65 -11.00
Flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over..lb. .33 - .36
fine powd. Japan, bbls., ton lots frt. alld..lb. .35 - .37
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .51 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh., c.l., mines..ton. 9.00 - —
325 mesh, same basis....ton.12.00 - —
No. 3, 200 mesh, c.l. mines.ton. 7.50 - —
325 mesh, same basis....ton.10.50 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works, lb. .18 - —
dense white, cs., works..lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .06 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04 - —
tanks, works.....lb. .03½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 51°, bbls..lb. .03½- .03¾
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net, dlvd., N.Y..flask.174.00 -175.00
European, flasks (76 lbs. net). c.i.f., N. Y., incl. war risk insurance..flask.207.00 - —
ex store.....flask.209.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, cryst., small, cns..oz. 1.01 - —
large, cns.....oz. 1.03 - —
powd., precip., cns.....oz. .96 - —
Sulphate, cns.....oz. .69 - —
Subject to surcharge of 3c. per oz.; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .80 - —
Acetate, cns.....oz. 1.02 - —
Arsenate, cns.....oz. 1.02 - —
Arsenite, cns.....oz. 1.04 - —
Bisulphate, cns.....oz. .57 - —
Citrate, cns.....oz. .75 - —
Dihydrobromide, bots.....oz. .78 - —
Dihydrochloride, bots.....oz. .78 - —
Ethylcarbonate, cns.....oz. .80 - —
Ferrocyanide, cns.....oz. 1.04 - —
Formate, cns.....oz. .97 - —
Glycerophosphate, cns.....oz. 1.17 - —
Hydrochloride, cns.....oz. .72 - —
Hydrochlorosulphate, cns....oz. .78 - —
Hydriodide, cns.....oz. 1.02 - —
Hypophosphite, cns.....oz. 1.03 - —
Phosphate, cns.....oz. .86 - —
Salicylate, cns.....oz. .76 - —
Sulphate, USP, X, cns.....oz. .57 - —
USP, XI, cns.....oz. .64 - —
Quinine, sulphocarbolate, cns..oz. 1.06 - —
Tannate, cns.....oz. .60 - —
Tartrate, cns.....oz. 1.00 - —
Valerate, cns.....oz. .96 - —
Quinine buyers must pay a surcharge of 3c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .78 - —
Subject to surcharge of 3c. per oz.; see note under Quinine.

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .07½- .08
Dutch black, bgs.....lb. .07 - .07¼
red, bgs.....lb. .12 - .12½
Japanese, bgs.....lb. .06½- .07
Raspberries, dried, bls.....lb. .60 - .65
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .60 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
maroon shades, kgs., ton lots, same basis..lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., dark, works..lb. 2.50 - —
light, works.....lb. 2.25 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin, lake, contracts.lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts., lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .22
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake.....lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls, lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio.....lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .70 - —
open order .....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04⅞- —
ex whse., Chicago, St. Louis..lb. .05¼- —
San Fran., Los Ang., Portland, Seattle..lb. .05⅝- —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .90 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .09 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y. lb. .03⅝- —
Toluidine toner, kgs., same basis alizarin lake—lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
quicksilver, bbls., 5 tons..lb. No prices
smaller lots.....lb. 2.46 - 2.51
Red dyes are listed under Dyes.
Red precipiate, N. F., powd., fib. dms., 50 lbs. or more...lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works.....lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .12 - .14
Rhodinol, bots.....lb. 5.55 -10.00
Rhubarb, bots.....lb. .60 - .65
powd., bbls., kgs.....lb. .65 - .70
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .23¾- —
smaller lots.....lb. .24½- —
powd., bbls., 5,000 lbs., 1 ship't..lb. .22¾- —
smaller lots.....lb. .23½- —
Rose flowers, pale, bls.....lb. .45 - .50
red, bls.....lb. 2.50 - 2.75
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .07 - .08

Phosphate Rock—Skatol

Rosin, gum, bbls., ex dock 280 lbs. 5.25 - —
D, bbls.....280 lbs. 5.35 - —
E, bbls.....280 lbs. 5.75 - —
F, bbls.....280 lbs. 5.85 - —
G, bbls.....280 lbs. 5.95 - —
H, bbls.....280 lbs. 6.05 - —
I, bbls.....280 lbs. 6.15 - —
K, bbls.....280 lbs. 6.30 - —
M, bbls.....280 lbs. 6.50 - —
N, bbls.....280 lbs. 6.70 - —
W. G., bbls.....280 lbs. 6.95 - —
W. W., bbls.....280 lbs. 7.35 - —
X, bbls.....280 lbs. 7.35 - —
Rosin, wood, bbls.....280 lbs. 4.65 - 6.40
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 Nom.
l.c.l., f.o.b. mines.....ton.37.50 Nom.
import, lump, bbls.....lb. .14 Nom.
powd., bbls.....lb. .08¼- .10
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .23 - .28
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .20 - .30
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb.28.00 -30.00
Safrol, cns.....lb. 1.05 - 1.10
dms. .....lb. 1.00 - 1.05
Sage, Dalmatian, stemless.....lb. .08¾- .09¼
garden, bls.....lb. .09¾- .10
Sago flour, bgs.....lb. .04 Nom.
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Saloi, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.13.20 -13.80
l.c.l., bgs., dlvd., N. Y..ton.15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N.Y..ton.15.70 - —
l.c.l., dlvd., N. Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works. ton.24.00 Nom.
bulk, works.....ton.17.00 Nom.
import, bulk, c.i.f.....ton.20.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.10 - 9.10
1-9 tons.....100 lbs. 8.25 - 9.25
less than ton lots..100 lbs. 8.50 - 9.50
gran., bbls., 10-20 tons. 100 lbs. 7.10 - —
1-9 tons.....100 lbs. 7.25 - —
less than ton lots..100 lbs. 7.50 - —
powd., bbls., 10-20 tons.100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
Santonin, cryst., cns.....kilo.135.00 -145.00
Saponin, crude, cns.....lb. 2.25 - 2.50
purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls.lb. .30 - .31
Mexican, bls.....lb. .15 - .16
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bbls.....lb. .14 - .15
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .09
resin., lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipmt..lb. .18⅝- —
smaller lots.....lb. .19¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .19¼- —
smaller lots.....lb. .19⅝- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, bls.....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls.....lb. .14 - .15
siftings, bgs.....lb. .13 - .14
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .09 - .10
Soda, bls.....lb. .85 - .90
Serpentaria root, bls.....lb. —
Shellac, bleached, bonedry, bbls. f.o.b., N.Y...lb. .25 - .26
dlvd., Boston.....lb. .25½- .26½
Chicago .....lb. .25¾- .26¾
Pacific Coast.....lb. .28 - .29
refd., bbls., f.o.b., N.Y.....lb. .31 - .32
dlvd., Boston.....lb. .31½- .32½
Chicago .....lb. .31¾- .32¾
Pacific Coast.....lb. .34 - .35
Garnet, bgs.....lb. .20½- .21
Orange, D.C., VSO., Diamond I, cases..lb. .26½- .27
Superfine, bgs., f.o.b. Bost., N. Y..lb. .15 - .15½
dlvd., Chicago.....lb. .15½- .16
Pacific Coast.....lb. .18 - .18½
T.N., bgs., f.o.b. Bost., N.Y. lb. .14 - .14½
dlvd., Chicago.....lb. .14½- .15
Pacific Coast.....lb. .17 - .17½
Varnish, Metro., area, orange, 5-lb. cut., bbls..gal. 1.05 - 1.10
½-lb. cut, bbls.....gal. 1.00 - 1.05
4-lb. cut, bbls.....gal. .95 - 1.00
white, 5-lb. cut, bbls.....gal. 1.15 - 1.20
4½-lb. cut, bbls.....gal. 1.10 - 1.15
4-lb. cut, bbls.....lb. 1.05 - 1.10
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works.ton.21.00 - —
smaller lots, works.ton.25.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., 2½ tons, works.ton.35.00 - —
smaller lots, works.ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works... ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
bgs., l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
cyanide, cns., 2,500 ozs.oz. No prices
cyanide, cns., 2,500 ozs.....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
80 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .36¾- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra barks, bls.....lb. .30 - .35
Skatol, bots.....lb.75.00 -80.00

Skullcap—Tamarind

Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .12 - .14
Smalt, black, extra velvet, cnts., lb. .05 - .08
Blue, cnts.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .14 - .16
crushed, bls., bbls.....lb. .18 - .20
cut, German, bls., bbls.....lb. .35 Nom.
dom., bbls.....lb. .22 - .23
powd., bbls.....lb. .21 - .23
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Alginate, dms., bbls., works.lb. .71 - .96
Antimoniate, bbls.....lb. .14½- .15
Arsenate, dms., dealers, c.l., works..lb. .07 - .08
l.c.l., dms., works.....lb. .07¾- .08¾
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06½- .07½
l.c.l., dms., works.....lb. .07¾- .08¾
white, dms., c.l., dealers, works..lb. .08 - .09
l.c.l., dms., works.....lb. .08¾- .10¾

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c. l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, All Northern U. S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia.; parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N.H. and Vt. special local zone prices apply for ship't to various counties. Zone 2, Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa, (except Davenport) Ga., Minn., Mo. (except St. Louis) N. and S.C., and Tenn. Zone 3, Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso) N. and S.D., Okla., Ark., W. of 93° Meridian. Zone 4, El Paso, Tex., Ariz., Colo., Idaho, Mont., Nev., N.M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
4,000 lbs. or more.....lb. .47 - .49
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.65 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works.. lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11¾- .12
Bisulphite, powd., bbls., c.l., bbls., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
66 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
solution, 85 deg., bbls., c.l., works..100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
44 deg.,° bbls., works, 100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber drms., 100 lbs.....lb. .32 - —
Cacodylate, 1-kilo bots.....lb. 6.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
drms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1.....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, drms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
Soda caustic, liquid, 70%, buyers' tanks, works..100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
76% ammon., process, drms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, drms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works...lb. .06¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .06¾- —
smaller quantities.....lb. .09¾- —
Citrate, USP, VIII, gran., bbls., 225-lb. lots..lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100lb. lots.....lb. .25 - —
Citrate, USP XI, powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. No price
Cyanide, gold, 46% gold, bots., works..oz.15.85 -17.10
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
Fluoride, white, 90%, bbls., l.c.l., 10 or over, same basis..lb. .07¼- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots, lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .20 - .22
Hypophosphite, N.F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd.100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd 100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
drms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
drms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works...100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
drms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., works, lb. 3.10 3.25
bbls., works.....100 lbs. 3.30 - 3.55
drms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
drms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.30 - —
bots.....lb. 2.41 2.47
Mandelate, drms., 100-lb. drms.lb. 3.25 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, anhyd., drms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 drms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 drms., same basis.. 100 lbs. 4.80 - —
1-2 drms., same basis 100 lbs. 5.05 - —
gran., bbls., c.l., works....lb. 2.35 - —
10 bbls. and over, dlvd. N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N. Y....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200 lb. bgs., same basis.ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons..100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½

Soda nitrite l.c.l. price range represents delivery at various points.

Orthosilicate, flake, dms., c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs.....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate, briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
Soda phosphate, tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
kgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10½- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt. equal'd.100 lbs. 5.10 - —
l.c.l., same basis...100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd. N. Y. C..lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. No prices
import., bbls.....lb. .07 - .07½
Stannate, dms.....lb. .31½- .34½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
cryst., bgs., 100 lbs., works, lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
Sulphite, powd., bbls., c.l., 100 lbs. 5.25 - —
l.c.l., 5 or more.....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works..lb. .08 - —
tanks, works.....lb. .04½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks., gal. .32 - .35
tanks, E. of Omaha, frt. alld., gal. .27 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
High-flash, dms., works, frt. alld..gal. .31 - —
tanks, same basis.....gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15¼- —
l.c.l. .....lb. .16 - —
Soybean protein, bgs., c.l., works, lb. .13¾- —
l.c.l., works.....lb. .14 - —
Sparteine sulphate, cns.....oz. 1.50 - 1.60
Spearmint leaves, bls.....lb. .28 - .29
Spikenard root, bls.....lb. .21 - .22
Spruce extract, reg., bbls., c.l., worklb. .01¾- —
tanks, works.....lb. .01½- —
Spruce extract, powd., super, bgs., c.l., works..lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, bls.....lb. .20 - .21
white, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .15 - .16
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .09 - .11
inedible, bls.....lb. .07 - .09
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.80 - —
dlvd., N. Y.....100 lbs. 3.15 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 2.90 - —
dlvd., N. Y.....100 lbs. 3.25 - —
Potato, dom., bgs.....lb. .05½- .06
import, bgs.....lb. .06½ Nom.
Rice, bbls.....lb. .07¼ Nom.
Sweetpotato, bgs.....lb. .05½- .06
bbls.....lb. .06 - .06½
Wheat, thick, boil, bgs.....lb. .05½ Nom.
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .28 - .30
Stearin, oleo, bbls.....lb. .06 - .06¼
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .60 - .65
Stramonium leaves, bls.....lb. .18 - .19
Seed, bgs.....lb. .20 - .21
Strontium bromide, fib. drms...lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls, lb. No prices
Chloride, tech., bbls.....lb. .20 - —
Iodide, bots., 5 lbs.....lb. 3.00 - —
jars, 25 lbs.....lb. 3.06 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Styalyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100 oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. drms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
flowers, bgs., c.l., works..100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works....100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works, 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works....100 lbs. 1.95 - 1.98
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.35 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works....100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.35 - 3.95
heavy, bgs., c.l.,works.100 lbs. 2.55 - —
bbls., works.....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works.....100 lbs. 3.25 - 3.65
light, bgs., c.l., works.100 lbs. 2.03 - —
bbls., works.....100 lbs. 3.00 - —
l.c.l., bgs., works....100 lbs. 3.00 - 3.40
bbls., works.....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90
roll, bgs., c.l.....100 lbs. 2.35 - —
bbls., works.....100 lbs. 3.50 - —
l.c.l., bgs., works..100 lbs. 2.75 - 3.10
bbls., works.....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99½%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l., 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works.....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works, lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton.130.00 - —
leaf, f.a.s.....ton.130.00 - —
Extract, 42°, bbls.....lb. .06 - .06¼
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .14 - .15
Sunflower seed, Calif., large, bgs., lb. .07 - .07½
medium, bgs.....lb. .06 - .06½
poultry, bgs.....lb. .05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 9.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

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Talc., dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills, ton.14.60 -16.00
l.c.l., mills.....ton.16.00 -1800
96-98%, 325 c.l., mills..ton.15.00 -17.00
l.c.l. mills.....ton17.00 -19.00
98-99½%, 325 mesh bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
fibrous, 90.85-99.95%,325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l. ex whse.....ton.27.50 -35.00
Italian, 1, bgs., ex dock, arrival, ton.67.00 -70.00
ex whse.....ton.75.00 -78.00
2, bgs., ex dock, arrival.ton.64.00 -67.00
Tallow, animal, edible.....lb. .05¾ Nom.
extra, loose.....lb. .05 - —
special, loose.....lb. .04¾- —
sulphonated, 35% (24% fat), dms., c.l...lb. .03¾ Nom.
l.c.l. .....lb. .04¾ Nom.
50% (43% fat), dms., c.l., lb. .05¼ Nom.
l.c.l. .....lb. .06¼ Nom.
50% (43% fat), dms., c.l..lb. .05¾ Nom.
l.c.l. .....lb. .06¾ Nom.
kegs .....keg. 6.00 - 8.00
Tamarind, No. 1, bbls.....lb. .07 - .08

Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 2.75 & .10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk..unit-ton. 2.75 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 3.00 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.25 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l. bulk, c.i.f. ports, April shipt., unit-ton. 3.25 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .02¾- .04½
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .26 - —
l.c.l., same basis.....gal. .28 - —
Tar, pine, retort, dms, c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd, E. cities....gal. 21. - —
Tarragon herb, bgs.....lb. .60 - .65
Tartar emetic, tech., fine gran., bbls., 6 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
powd., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
USP, powd., bbls.....lb. .40 Nom.
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .82 - .85
Terpin hydrate, kgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .28 - —
dms .....lb. .25 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08¼
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .13 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.25 - —
Sodiosalicylate, cns.....lb. 1.95 - —
dms. .....lb. 1.75 - 1.80
5-lb. bots.....lb. 2.11 - —
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works..lb. 2.00 - —
Thyme, French, bls.....lb. .17 - .17½
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.35 - 3.40
Timbo, root, powd., 4% rotenone, bbls..lb. .18 - .24
5% rotenone, bbls.....lb. .22 - .30
Tin chloride (ous), anhyd.....lb. .45½- .46
Crystals, bbls., kgs.....lb. .37 - .37½
Metal, Straits.....lb. .47½- —
Oxide, bbls.....lb. .51 - .53
Tetrachloride, anhyd., bbls...lb. .23¼- —
Titanium, dioxide, bgs., c.l., (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd..lb. .13¼- —
Pac. Cst., ex whse.lb. .13¼- —
l.c.l., 1,000-9,999 lbs., E. frt. pd..lb. .13¼- —
Pac. Cst., ex whse..lb. .13¼- —
50-999 lbs., E. frt. pd..lb. .13¾- —
Pac. Cst., ex whse..lb. .13¾- —
under 50 lbs., E. frt. pd., lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
bbls., c.l. (20 tons), frt. pd. lb. .13¼- —
l.c.l., 5 tons, E. frt. pd...lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd...lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk resistant, bgs., c.l. (20 tons), frt. pd..lb. .15 - —
l.c.l., 5 tons, frt pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15½- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd..lb. .18 - —
bbls., c.l., (20 tons), frt. pd. lb. .15¼- —
l.c.l., 5 tons, E. frt. pd.lb. .15½- —
Pac. Cst., ex whse..lb. .15½- —
1,000-9,999 lbs., E. frt. pd. lb. .15¾- —
Pac. Cst., ex whse..lb. .15¾- —
50-999 lbs., E. frt. pd., lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
Barium or magnesium base, bgs., c.l., D. frt. alld., lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. Cst., ex whse..lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
bbls., c.l., D., frt. alld..lb. .05½- —
l.c.l., E., dlvd.....lb. .05¾- —
Pac. Cst., ex whse..lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06½- —
Calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd.....lb. .05¼- —
Pac. cst., ex whse.....lb. .05¼- —
under 50 lbs., E., dvld....lb. .06 - —
bbls., c.l., D., frt. alld.....lb. .05¼- —
l.c.l., E., dlvd.....lb. .05½- —
Pac cst., ex whse.....lb. .05½- —
under 50 lbs., E. dlvd....lb. .06¼- —
Tolidin base, distilled, kgs....lb. .90 - —
Tolu, balsam, cns.....lb. 1.05 - 1.10
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .30 - —
tanks, E. of Omaha, frt. alld., gal. .25 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .25 - —
1° nitration, dms., returnable, gal. .31¼- —
tanks, E. of Omaha, frt. alld., gal. .26¼- —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms .....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .68 - .70
tanks .....lb. .65 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns. works.....lb. .46 - .48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Trichlorethylene, Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D. Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev. Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works. ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem., grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. No stocks
powdered, bgs.....lb. .18 - .18½
Madras, bgs.....lb. No stocks
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .34½- —
l.c.l., 10 ex dock.....gal. .36½- —
5 ex dock.....gal. .38½- —
wood dest., dist., dms., dlvd. E. cities, ports..gal. .29 - .31
tanks, dlvd. E. cities....gal. .25 - —
steam-dist., dms., c.l., dlvd.gal. .31 - —
l.c.l., dlvd.....gal. .34 - —
tanks, dlvd.....gal. .26 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs.....lb. 3.05 - —
yellow, kgs.....lb. 2.00 - —

Tankage—Uva Ursi Leaves

Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N.C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
5 tons f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.85.00 - —
less than 5 tons, f.o.b. Newark, New York, Philadelphia..ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.85.00 - —
Import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton.95.00 - —
46% N., bgs., smaller lots, f.o.b. N. Y. from whse., ton.101.00 - —
purc. cs.....lb. .13 - —
Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.121.53 - —
imported, 40% N_2, bgs., Jan. shipt..ton.56.25 - —
Urea, nitrogen, imported, 40% N_2, bgs., Jan. shipt..ton.56.25 - —
30% N_2, bgs., Jan. shipt., ton.42.56 - —
Uva ursi leaves, bls.....lb. .11 - .12

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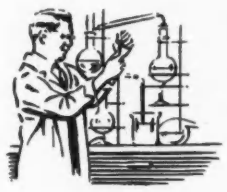

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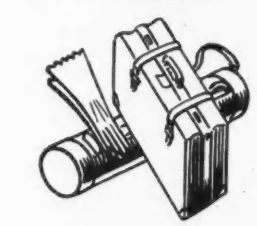

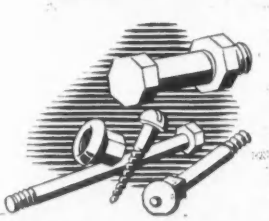

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Valerian Root—Zirconium

V

Valerian root, bls	lb.	.42	- .45
Valonia, beards, bgs., f.a.s.	ton.	49.00	- —
Cups, bgs., shipt., f.a.s.	ton.	37.00	-39.00
extract, powdered, 63%	lb.	.0665	Nom.
Vanilla beans, Bourbon, tins	lb.	6.00	- 6.50
Mexican, tins	lb.	6.00	- 6.50
cuts, tins	lb.	5.50	- 6.00
South American, tins	lb.	No prices	
oleoresin, bots	lb.	18.00	-19.00
Vanillin, ex eugenol, 25-lb. tins,	lb.	2.60	- —
5-lb. tins	lb.	2.65	- —
1-lb. tins	lb.	2.75	- —
ex guaiacol, 25-lb. tins	lb.	2.50	- —
5-lb. tins	lb.	2.55	- —
1-lb. tins	lb.	2.65	- —
ex lignin, 25-lb. tins	lb.	2.50	- —
5-lb. tins	lb.	2.55	- —
1-lb. tins	lb.	2.65	- —
Venice turpentine, true, cs	lb.	.60	- .70
Verdigris, bbls., kgs	lb.	.29	- .32
Vinyl acetate, cns., works	lb.	.25	- —
dms., c.l., 30,000 lbs. gross, works	lb.	.14	- —
l.c.l., works	lb.	.15	- —
5 gals., dms., works	lb.	.25	- —
Violet, methyl, toner (see M).			
V.M.P. naphtha (see petroleum naphtha, v.m.p.).			

W

Wahoo bark, bls	lb.	.45	- .46
tree	lb.	.19	- .23
Wattle bark, bgs., f.a.s.	ton.	35.00	-36.75
Extract, solid, bgs.	lb.	.04¼	- —
Wax, bayberry, import, bgs.	lb.	.25	- .26
Bees, white, bleach, slabs, cs.,			
5 case lots	lb.	.38	- —
1 cs. lots	lb.	.38½	- —
cakes, 5 cs., lots	lb.	.39	- —
1 cs., lots	lb.	.39½	- —
discs, 5 cs., lots	lb.	.40	- —
1 cs., lots	lb.	.40½	- —
yellow, crude, Africa, 10-bg. lots	lb.	.26	- .26½
1 bg	lb.	.26½	- .27
Brazil, bgs., 5-10 lots	lb.	.26	- .26½
1 ton	lb.	.26½	- .27
500 lbs	lb.	.27	- .27½
100 lbs	lb.	.27½	- .28
refd., slabs, cs., lbs	lb.	.31	- .36
Candelilla, bgs., 1 ton	lb.	.17½	- .18½
jobbing lots	lb.	.18	- .19
Carnauba, No. 3 chalky, bgs., 1 ton	lb.	.64	- .66
5 bgs	lb.	.64½	- .66½
1 bg	lb.	.65	- .65½
N. C., 2 bgs., 1 ton	lb.	.71	- .73
N. C., 3 bgs., 1 ton	lb.	.66	- .68
5 bgs	lb.	.66½	- .68½
1 bg	lb.	.67	- .69
refined, bgs	lb.	.73	- .74
yellow, No. 1, bgs., 1 ton	lb.	.83	- .85
5 bgs	lb.	.83½	- .85½
1 bg	lb.	.84	- .86
No. 2, bgs	lb.	.82	- .84
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton	lb.	.11½	- .12
jobbing lots	lb.	.12¼	- .13
150°-160° m.p., bgs., 1 ton	lb.	.13½	- .14
jobbing lots	lb.	.14¼	- .15
160° m.p., bgs., 1-ton	lb.	.13½	- .14
jobbing lots	lb.	.14¼	- .15
Japan, cs	lb.	.15½	- .16
Wax, Montan, bgs., c.l.	lb.	No prices	
5 tons	lb.	No prices	
less than 1 ton	lb.	No prices	
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs.	lb.	No prices	
70°-72° C., bgs	lb.	No prices	
74°-76° C., bgs	lb.	No prices	
Snow-white, pure 76°-78° C., bgs.	lb.	No prices	
yellow, natural, 76°-78° C., bgs.	lb.	No prices	
Paraffin (see P.).			
Spermaceti, blocks, cs	lb.	.22	- .23
cakes, cs	lb.	.23	- .24
White lead (see Lead, white).			
White pine bark, rossed, bls	lb.	.07	- .08
White precipitate, powd., dms., 50 lbs. or more	lb.	2.54	- —
Whiting, chalk, com'l., dry-grd.,			
bip. bgs., c.l., works	ton.	16.00	-20.00
l.c.l., works	ton.	18.00	-22.00
bbls., c.l., work	ton.	19.00	-24.00
l.c.l., works	ton.	21.00	-26.00
pap. bgs., c.l., works	ton.	15.00	-18.00
l.c.l., works	ton.	17.00	-20.00
wet-grnd., bip., bgs., c.l., works	ton.	18.50	-22.50
l.c.l., works	ton.	19.00	-23.00
bbls., c.l., works	ton.	21.00	-25.00
gilder's bolted, bip., bgs., c.l., works	ton.	18.00	- —
l.c.l., works	ton.	19.00	- —
bbls., c.l., works	ton.	20.00	-21.00
l.c.l., works	ton.	21.00	-22.00
pap. bgs., c.l., works	ton.	17.00	-18.50
l.c.l., works	ton.	18.00	-19.00
Paris white, bip., bgs., c.l., works	ton.	19.00	- —
l.c.l., works	ton.	20.00	- —
bbls., c.l., works	ton.	22.50	-27.50
l.c.l., works	ton.	22.00	-28.00
pap. bgs., c.l., works	ton.	19.60	-25.10
l.c.l., works	ton.	20.00	-26.50
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l.	ton.	9.65	- —
200 mesh, paper bgs., c.l., same basis	ton.	8.60	- —
90%, 200 mesh, paper bgs., c.l., same basis	ton.	6.25	- —
Gilders, bgs. (extra), c.l., works	ton.	11.50	- —
l.c.l., 8-20 tons, works	ton.	12.50	- —
4-8 tons, works	ton.	13.50	- —
2-4 tons, works	ton.	14.50	- —
extra bgs. (extra), c.l., works	ton.	12.50	- —
8-20 tons, works	ton.	13.50	- —
4-8 tons, works	ton.	14.50	- —
2-4 tons, works	ton.	15.50	- —
putty grade, bgs. (extra), c.l., works	ton.	11.00	- —
l.c.l., 8-20 tons, works	ton.	12.00	- —
4-8 tons, works	ton.	13.00	- —
2-4 tons, works	ton.	14.00	- —
water-floated, bgs. (extra), c.l., works	ton.	11.50	- —
l.c.l., 8-20 tons, works	ton.	12.50	- —
4-8 tons, works	ton.	13.50	- —
2-4 tons, works	ton.	14.50	- —
precipitated, bgs., c.l., works,	ton.	15.00	- —
l.c.l., 5 tons, works	ton.	20.00	- —
smaller lots, works	ton.	25.00	- —
Wild cherry bark, thick, natural,	lb.	.07	- .08
rossed, bls	lb.	.06	- .08
thin, natural, bls	lb.	.07	- .08
rossed, green, bls	lb.	.10	- .11
Wild indigo root, bgs	lb.	.13	- .14
Witch-hazel extract, dist., NF, bbls.	gal.	.40	- .45
leaves, bls	lb.	.07	- .09
Witherite (see Barium carbonate, natural).			

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Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N. Y.	ton.	24.00	-25.00
80 mesh, same basis	ton.	26.00	-28.00
100 mesh, same basis	ton.	30.00	-32.00
import, 70 mesh, bgs., ex dock,	ton.	No prices	
80 mesh, bgs., ex dock	ton.	No prices	
100 mesh, bgs., ex dock	ton.	No prices	
120 mesh, bgs., ex dock	ton.	No prices	
Wormseed, American, bgs	lb.	.07	- .08
Levant, bgs	lb.	5.00	- 6.00
Wormwood, bls	lb.	.18	- .20

X

Xylol (xylene), indus., dms., returnable, works	gal.	.32	- —
tanks, E. of Omaha, frt. alld.,	gal.	.27	- —
tanks, W. Coast, f.o.b. Minnequa, Colo.	gal.	.27	- —
10°, dms., returnable, works	gal.	.35	- —
tanks, E. of Omaha, frt. alld.	gal.	.30	- —
8°, dms., returnable, works,	gal.	.42	- —
tanks, E. of Omaha, frt. alld.	gal.	.40	- —
3°, dms., returnable, works	gal.	.47	- —
tanks, E. of Omaha, frt. alld.	gal.	.45	- —
Xylidin, mixed, dms	lb.	.35	- .36

Y

Yara yara, cryst., cns	lb.	1.25	- 1.35
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York	lb.	.55	- —
bottles, same basis	lb.	.60	- .64
imp., bbl., same basis	lb.	.55	- —
Yellow cadmium, CP, import., bxs.	lb.	1.35	- 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld.	lb.	.50	- —
smaller lots, same basis	lb.	.55	- —
kgs., ton lots, same basis,	lb.	.56	- —
smaller lots, same basis,	lb.	.60	- —
Sulphide, orange, bbls., works,	lb.	.75	- —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.13½	- —
open order	lb.	.14½	- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Dutch, pink, bbls	lb.	.09	- .11
Hansa, bbls., same basis, chrome	lb.	1.37	- —
primrose shade, bbls., same basis, chrome	lb.	1.75	- —
Mercury oxide (see M).			
Ocher, Amer., golden, A, bbls., works	lb.	.06¼	- —
B, bbls., works	lb.	.04½	- —
C, bbls., works	lb.	.05¾	- —
yellow, A, bbls., works	lb.	.02¼	- —
B, bbls., works	lb.	.02½	- —
C, bbls., works	lb.	.02	- —
D, bbls., works	lb.	.0195	- —
E, bbls., works	lb.	.01775	- —
F, bbls., works	lb.	.01½	- —
yellow, G, bbls., works	lb.	.01½	- —
H, bbls., works	lb.	.01¾	- —
French, all shades, cks., c.l., ex dock Balto., Boston, N. Orleans, for import,	lb.	.02475	Nom.
New York (f.o.b.)	lb.	.02¾	Nom.
Philadelphia for import	lb.	.02¾	Nom.
ex dock, San Pedro, San Francisco	lb.	.0290	Nom.
l.c.l., ex dock, Balte, Boston, N. Orleans	lb.	.02575	Nom.
New York	lb.	.02¾	Nom.
Phila., for import	lb.	.02¾	Nom.
Portland, Seattle	lb.	.03½	Nom.
San Pedro, S. Francisco	lb.	.03	Nom.
ex whse., Balto., Boston, N. Orleans	lb.	.02725	Nom.
French, ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis	lb.	.03¾	Nom.
New York	lb.	.03	Nom.
Pittsburgh	lb.	.03¼	Nom.
Portland, Seattle	lb.	.03¾	Nom.
San Pedro, S. Francisco	lb.	.03¼	Nom.
f.o.b. N. Y., from dock,	lb.	.02¾	Nom.
from whse	lb.	.03¼	Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.,	lb.	.04½	- —
l.c.l., same basis	lb.	.04¾	- —
synth., bbls., c.l., works	lb.	.06½	- —
l.c.l., same basis	lb.	.06¾	- —
Persian orange (See O).			
Zinc, bbls., same basis, chrome CP, contracts	lb.	.18	- —
open order	lb.	.19	- —
Yellow dock root, dom., bls	lb.	.17	- .18
Yellow root (xanthoriza), bls	lb.	.11	- .12
Yerba santa leaves, bls	lb.	.09	- .10
Yohimbine hydrochloride, via	oz.	2.65	- 4.00

Z

Zein, bgs., 1,000 lbs. or more, works	lb.	.20	- —
less than 1,000 lbs., works	lb.	.25	- —
Zinc acetate, tech., bbls., works,	lb.	.15	- .16
USP, bbls., 250 lbs	lb.	.27	- —
kgs., 100 lbs	lb.	.29	- —
Arsenite, bgs., c.l., dealers, E. of Rockies	lb.	.12	- —
l.c.l., bags	lb.	.12½	- —
Zinc arsenite prices are on a frt. alld. basis to dest, in lots of 96 lbs. or over.			
Carbonate, tech., bbls	lb.	.14	- .16
USP, precip., powd., bbls	lb.	.32½	- —
25 lb. dms	lb.	.37½	- —
kgs.	lb.	.34½	- —
Chloride, tech., fused, dms., c.l., works	100 lbs.	4.25	- —
l.c.l., works	100 lbs.	4.60	- —
gran., dms., c.l., works,	100 lbs.	5.00	- —
USP, 200-lb. dms	lb.	.25	- —
25-lb. jars	lb.	.31	- —
solution, 50%, dms., c.l., works	lb.	.0290	- —
l.c.l., works	lb.	.04	- .04½
tanks, works	lb.	.0225	- —
Cyanide, kgs., works	lb.	.33	- —
Dust, bbls., c.l., dlvd	lb.	.07¾	- —
l.c.l., bbls., dlvd	lb.	.08¼	- —
Iodide, N.F., bots	lb.	4.85	- —
jars	lb.	4.20	- —
Fluoride, bbls	lb.	.20	- .25
Zinc, metal (see daily quotations in Market report).			
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd.	lb.	.06¼	- .07½
l.c.l., dlvd., except Pac. coast	lb.	.06½	- .07¾
bgs., l.c.l., ex whse., Pac. cst.	lb.	.06½	- .07¾
bbls., c.l., dlvd	lb.	.06½	- .07¾
l.c.l., dlvd., except Pac. cts.	lb.	.06¾	- .08
ex whse., Pac. cst.	lb.	.06¾	- .08
Leaded, 5%, bgs., c.l., dlvd.	lb.	.06½	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- —
ex whse., Pac. cst.	lb.	.06¾	- —
bbls., c.l., dlvd	lb.	.06¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- —
ex whse., Pac. cst.	lb.	.06¾	- —
35%, c.l., dlvd.	lb.	.06	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼	- —
ex whse., Pac. cst.	lb.	.06¼	- —
30%, bbls., c.l., dlvd	lb.	.06¼	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼	- —
bgs., l.c.l., ex whse., Pac. cst.	lb.	.06½	- —
50%, bgs., c.l., dlvd., except Pac. Coast.	lb.	.0606	- —
dlvd., Pac. cst.	lb.	.0612	- —
l.c.l., dlvd., except Pac. cst.	lb.	.0631	- —
bgs., ex whse., Pac. cst.	lb.	.0637	- —
bbls., c.l., dlvd	lb.	.0637	- —
l.c.l., ex whse., Pac. Cst.	lb.	.0662	- —
French process, com'l, lead free, bgs., c.l., dlvd.,	lb.	.06¼	- .07½
l.c.l., dlvd., except Pac. cst.	lb.	.06½	- .07¾
ex whse., Pac. cst.	lb.	.06½	- .07¾
bbls., c.l., dlvd	lb.	.06¼	- .07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- .08
ex whse., Pac. cst.,	lb.	.06¾	- .08
green seal, bgs., c.l., dlvd.,	lb.	.08	- —
l.c.l., dlvd., except Pac. cst.	lb.	.08¼	- —
ex whse., Pac. cst.	lb.	.08¼	- —
bbls., c.l., dlvd	lb.	.08¼	- —
l.c.l., dlvd., except Pac. cst.	lb.	.08½	- —
ex whse., Pac. cst.	lb.	.08½	- —
red seal, bgs., c.l., dlvd.	lb.	.07½	- —
l.c.l., dlvd., except Pac. cst.	lb.	.07¾	- —
ex whse., Pac. cst.	lb.	.07¾	- —
bbls., c.l., dlvd	lb.	.07¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.08	- —
ex whse., Pac. cst.	lb.	.08	- —
white seal, bgs., c.l., dlvd.	lb.	.08½	- —
l.c.l., dlvd., except Pac. cst.	lb.	.08¾	- —
ex whse., Pac. cst.	lb.	.08¾	- —
bbls., c.l., dlvd.	lb.	.08¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.09	- —
ex whse., Pac. cst.	lb.	.09	- —
imported, gold seal, cks., ex whse.	lb.	.13	- .14
green seal, bbls., ex whse.,	lb.	.10	- —
white seal, cks., ex whse.,	lb.	.11	- .12½
USP, bbls., c.l.	lb.	.09½	- —
Palmitate, bbls	lb.	.24½	- .27½
Resinate, fused, pale, bbls.	lb.	.10	- —
precip., dms., dlvd	lb.	.15	- —
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.23	- —
l.c.l., 1 ton	lb.	.24	- —
1,000-2,000 lbs	lb.	.25	- —
less than 1,000 lbs	lb.	.26	- —
USP, bbls	lb.	.34	- .36
Sulphate, cryst., bgs., c.l.	100 lbs.	2.75	- —
l.c.l.	100 lbs.	3.50	- —
bbls., c.l.	100 lbs.	2.90	- —
l.c.l.	100 lbs.	3.65	- —
flake, bgs., c.l.	100 lbs.	2.10	- —
l.c.l	100 lbs.	3.85	- —
bbls., c.l.	100 lbs.	3.25	- —
l.c.l.	100 lbs.	4.00	- —
powd., bgs., c.l.	100 lbs.	4.25	- —
l.c.l.	100 lbs.	5.10	- —
bbls., c.l.	100 lbs.	4.50	- —
l.c.l.	100 lbs.	5.25	- —
Sulphide, bgs., c.l., (20 tons), dlvd.	lb.	.07½	- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.07¾	- —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd.	lb.	.07¾	- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08	- —
barium, pigment, bgs., c.l., dlvd.	lb.	.05	- —
l.c.l., dlvd. E. or ex whse. Pac. Cst.	lb.	.05¼	- —
calcium pigment, bgs., c.l., dlvd.	lb.	.05	- —
l.c.l., dlvd. E. or ex whse. Pac. Cst.	lb.	.05¼	- —
magnesium, pigment, bgs., c.l., dlvd.	lb.	.05¼	- —
l.c.l., dlvd. E. or ex whse. Pac. Cst.	lb.	.05½	- —
Sulphocarbolate, NF, bbls.	lb.	.34	- .39
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.15	- —
l.c.l., works	100 lbs.	5.60	- —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.08	- —
l.c.l., dlvd., except Pac. cst.	lb.	.08½	- —
ex whse., Pac. cst.	lb.	.08½	- —
Zirconium nitrate, kgs., works	lb.	2.00	- 4.00
Oxide, crude, 70-75%, grd., bbls., works	ton.	75.00	-100.00
white, 99%, grd., kgs., works,	lb.	1.80	- 2.00

Synthetic Resins

and other

Branded Paint Materials

(Manufacturers' List Prices)

NOTE:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the April 1 issue; the next printing will be in the May 6 issue. Changes in prices — if any — made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 35.

Obituaries

Dr. Charles L. Reese

—*Continued from page 4*

chemistry at Johns Hopkins. He later became a member of the faculty of Wake Forest College, and the South Carolina Military Academy.

Dr. Reese started his technical career as chief chemist for the New Jersey Zinc Company, for which company he developed the contact process for sulphuric acid to a workable degree, an achievement which drew the attention of the duPont company. He joined the duPont organization in 1902. For the duPont company he established its Eastern laboratory, and in 1906 he was placed in charge of all chemical activities of the duPont company. He retired as active head of the chemical department of duPont in 1924 but acted as a consultant for the company until 1931.

Dr. Reese was a former president of the American Chemical Society, the American Institute of Chemical Engineers and the Manufacturing Chemists' Association. He was an associate member of the naval consulting board, founder and chairman emeritus of the board of industrial research, for five years vice-president of the International Union of Pure and Applied Chemistry and a member of the visiting committee of the Bureau of Standards.

He was a member or honorary member of scientific societies in Europe and Africa and a member of the American Philosophical Society, Franklin Institute, Sons of Colonial Wars and Phi Beta Kappa. He was a fellow of the American Association for the Advancement of Science.

Dr. Reese's achievements had won recognition from the University of Pennsylvania, Wake Forest College, University of Delaware and Heidelberg, all of which had conferred honorary degrees on him.

Surviving are his wife and four sons.

Louis L. Drake

Louis L. Drake, who was secretary of the old National Paint, Oil and Varnish Association, 1904-11, a member of the Fifty Year Club of the association, and for many years active in the paint industry, died April 12. He was fifty-three years of age.

Mr. Drake was born in Elizabeth, N. J., attended public schools, read law for three years, and following the steps of his father who was in the paint business, made his entry into business as a mail clerk for C. T. Raynolds Company. He became a salesman with J. M. Coulston & Co., about 1892, and a partnership in which he was salesmanager in the Import Pigment Company in 1896. For a period he was New England manager of the Murphy Varnish Company. In 1903 he became editor and manager of the *Paint, Oil and Drug Review*. In 1915 he sold his interest in that publication and purchased the *Paint and Varnish Record*, the name of which was changed to the *Paint & Varnish Production Manager* in 1928, and in which he retained his interest at the time of his death.

Surviving are his wife, a daughter and a brother, Edward R. Drake of the National Paint, Varnish and Lacquer Association, Washington.

Dr. Bernard Fantus

Dr. Bernard Fantus, professor of pharmacology and therapeutics at the College of Medicine of the University of Illinois, died of a heart ailment in Chicago April 14. He was sixty-six years of age.

Dr. Fantus, who established Cook county's "blood bank," where supplies of preserved whole blood or blood serums are kept on hand for emergency transfusions and treatment, was editor of the *Year Book on General Therapeutics* for twenty-one years and had been a member of the committee of the United States Pharmacopeia.

Charles W. Gramm

Charles W. Gramm, vice-president of Zophar Mills, Inc., Brooklyn, died from a heart attack in his home in Cranford, N. J., April 14. He was sixty-two years of age.

Mr. Gramm had been in the engineering department of the City of New York before entering the chemical industry. In 1924 upon the incorporation of the old firm of Zophar Mills he became vice-president and a member of its directorate. He had a notable collection of nineteenth century United States stamps, with which he won a silver medal in the 1936 International Stamp Exposition. Surviving are his wife and a daughter.

Samuel Y. Ramage

Samuel Young Ramage, for many years an outstanding figure in the Pennsylvania oil and gas industries, died April 15 in Durham, N. C., following an illness of several months. He was eighty-six years of age.

Mr. Ramage's business interests were large and widespread. During his career he had held executive positions with the Empire and Green lines, carriers of crude oil in Pennsylvania; the Standard Oil units, in Kentucky and New York; the Mutual Oil Company; the Manufacturers' Light & Heat Company; the Union Gas Company of Pittsburgh; the Ohio Fuel Corporation, and the Columbia Gas & Electric Corporation. Mr. Ramage was also engaged actively in oil production, operating extensive holdings in Northwest Pennsylvania. At the time of his death he held large mining interests in the lead and zinc districts of Missouri.

Rufus Maynard Reed

Rufus Maynard Reed, president of the Western Dry Color Company, Chicago, died of heart attack in his home April 13. He was sixty-two years old. Educated at the University of Chicago, Mr. Reed started his business career as a chemist in Chicago in 1899, and four years later founded the Western Dry Color Company. Surviving are his wife, a daughter and a son, Rufus, jr.

Mrs. Helen Derby Meredith, daughter of Harry L. Derby, preisdent of the American Cyanamid & Chemical Corporation, died April 13 in her home in this city.

Alan L. Jones, retired official of Standard Oil Company, died April 15 at his home in a Baltimore suburb. He was seventy-nine years of age.

Henry Kraaz, long prominently identified with the chemical industry in Germany, died in Hamburg March 18. He was sixty-three years of age. Among those surviving are his son, Franz Kraaz, of the Kuhn-Libby Company, petroleum products, this city.

Elbridge G. Minnard, vice-president and production executive of the Stewart Brothers Paint Company, Alliance, Ohio, died recently. He was sixty-six years of age.

Jackson B. Wells, superintendent of the rollcoating department of the Eastman Kodak Company, Rochester, died April 15. He was forty-eight years of age.

Benjamin S. Whitehead, pioneer in the development of printing on celluloid, and chairman of the board of directors of Whitehead & Hoag, former printing ink manufacturer, died April 15 in Newark. He was eighty-two years old.

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Oil, Paint and Drug Reporter

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Concerning Codliver Oil

Whatever turn may come in the fortunes of war in the Scandinavian area it is doubtful that fishery activities can be so far revived during the current season as to afford much relief from the shortage of codliver oil that is now imminent. Even though the Iceland fisheries may not be hampered by naval conflicts and their product is available to United States markets because of the exemption of that country from restrictions on commerce and exchange, the supply would be inadequate.

Disruption of the codliver oil market has already been experienced. There is a possibility, however, not present when a similar condition existed during the World War, that the medicinal needs for this material can be satisfied through the synthesis or the production from other sources of the vitamins on which the therapeutic value of codliver oil chiefly depends. Such replacement, of course, would necessitate fundamental changes in the formulas of many medicinal preparations and require complete revision of their labels to comply with the Federal food, drug, and cosmetic law. The practical method would be to introduce wholly new products, as this would present far less complication when codliver oil again became available.

Oils from other fish livers have come into some use as drugs, but these present problems of palatability and of cost of production insofar as oils of domestic origin are concerned. The latter aspect calls for technologic study and should not present insurmountable difficulties. It is, in truth, a part of the large economic problem of developing a stabilized domestic supply of fixed oils of various sorts. In this connection there is something of interest in the statement that cranberry-seed oil is particularly rich in vitamin A; but this interest must be divided, because the oil also has good drying qualities.

Science and technology are put to another test by war's interference with fishing for cod. Science already offers much in its chemical achievements. Technology may be able to serve with less detriment to existing commerce.

For the A.D.M.A. Meeting

A combination of important and pertinent circumstances lends unusual influence to the interest attaching to this year's meeting of the American Drug Manufacturers Association. Particularly influential in this respect are the pending decennial convention of the United States Pharmacopeia and the numerous points of puzzling interpretation of provisions of the relatively new Federal food, drug, and cosmetic act.

These two circumstances make it certain that the scientific section of the association is going to have considerable difficulty in doing full justice to its task in the one day allotted to it in the convention program. The section will have many other matters for consideration—all of importance and necessity in their several relations to the functioning of the industry. The desirability of providing the section with more time by reason of certain forecasts in respect of the U.S.P. convention and because of the new subcommittee study of warnings on drug labels, is becoming increasingly evident and may lead the executive committee so to decide. It is already clear to the leaders of the association that the interests of the industry will not be properly served by less than fully adequate consideration of this year's special problems, and that the proceedings of the scientific section hold a particular interest for the managerial executives of the companies composing the membership.

In a more general way, this year's convention will find unusual importance in the slowly but surely advancing interest in the development of a system of better medical care. The somewhat correlated movement toward more intense interest by consumers in the policies and practices of business also calls loudly for adequate consideration, and is a subject with which all organizations of manufacturers and distributors must undertake to become informatively familiar. Insofar as products of A.D.M.A. members are concerned, the new drug law provides an excellent meeting ground in connection with consumer relations. Proper utilization of this is a desirable development, and the cultivation of more modern consumer relations offers advantages even though perhaps the majority of the products of the A.D.M.A. group are not commodities directly sold to the public.

This year's A.D.M.A. meeting will be big with interests of various kinds, some of them, such as those which have to do with war's restrictions on foreign trade, undeniably critical. The desirability of an attendance commensurate with the importance of the event is obvious.

—O-P-D—

Tax Is Not the Remedy

Whatever may be the actual merits of the long-continued and increasingly intense controversy over the chain store and the individual, or so-called "independent," retail distributor, there is no sound economic basis for the proposal to handicap the chains with a heavy and deterrent Federal tax. There is some evil in the chain-store method. There is no convincing evidence that a Federal tax is the necessary remedy for this, or would be an efficacious one.

Some independent studies of the chain-store method have been made. There is a need for more. The conflicting testimony of advocates and opponents of the chain-store tax adds nothing to actual knowledge of the problem. The method is not wholly bad; nor is it the beneficent servitor of consumer, and farmer, and manufacturer which it is so glowingly painted. The difference between the chain store and the individual merchant is not one of efficiency in service; it lies more on the buying side than on that of selling, and the benefits are by no means all extended to the consumer. In fact, the chain store quite obviously submerges service to the consumer, practically eliminates it beyond some slight advantage in average prices.

The chain-store problem goes far deeper into the national economy than the matter of current cost of service to the consumer. It does not rest on the question whether chain-store prices are actually lower today or will be tomorrow when there has been an end of competition. This question is open to solution by individual retailers through cooperation, as is also that of the relative desirability of self-service, cash and carry, and the providing of more conveniences in delivery and in service. These are but surface aspects. The real problem lies in the deeper economic strata, and the factual evaluation of bigness in business is a major part of it.

Although the impartial studies of the cost of distribution so far carried on have not reached a stage of definite conclusion with respect to the actual status of the chain store, they have shown that the efficiency claimed for this method consists largely in refusing to perform for the buying public many of the services to which it has become accustomed. They have not yet disclosed the truth that a chain's price advantages (?) frequently are offset by differences in the size of the container of a product; sometimes by differences in quality, and usually arise from a hard-driven bargain which has clipped wages and profits at the source of supply. The inefficiency of the individual retailer has been largely that of failure to do likewise or to make informative comparisons.

The problem requires a deal more of able, impartial study, because there is as much hazard as there is benefit in the possibilities of using a Federal tax as a means of destroying any form of competition.

—O-P-D—

Progress in Turpentine

It was evident in their meeting last week that turpentine producers are progressing toward a sounder evaluation of various methods offered for the solution of problems of their industry. They manifested an encouraging interest in the possibilities of self-promotion compared with governmental financial aid as a means of more satisfactorily marketing their products.

The turpentine producer is still a farmer at heart, and he may be expected to find in the governmental attitude toward agriculture considerable inducement to remain in that category. But, able leadership has developed in the industry to demonstrate the fact that even the farmer will fare better for being an active businessman.

The producers' group has already done a good job in the marketing of turpentine spirit, and can see a promise of escape from the uncertainty of governmental control by loan. Turning to rosin and the chemical potentialities of pinetree gum it will find still greater assurance.

1923* PRESIDENT COOLIDGE IS INAUGURATED

*1923 In 1923 Chas. Pfizer & Co., Inaugurated the First Commercial Production of Citric Acid from Native Raw Materials

¶ Until 1923, citric acid was produced in this country from citrate of lime, which had to be imported from countries growing citrus fruits in quantity. It had long seemed to Chas. Pfizer & Co. definitely unfortunate that a constituent of so many domestic foods, soft drinks and medicinal products, should have to be produced from crude material controlled by a foreign monopoly.

¶ After more than twenty years of painstaking research, Chas. Pfizer & Co. perfected in 1923, a new process for commercial production of citric acid from sugar.

¶ The large-scale production of citric acid made possible by the Pfizer process resulted in higher purity, lower prices and expanding markets. New markets of promise for citric acid today include the plastics, plasters, adhesives, lacquers, inks, varnishes, and many more.

¶ This is only one of many notable achievements in the ninety-year history of Chas. Pfizer & Co. that have made this firm's name known and respected throughout the world.

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Heavy Chemicals

More Hesitant Attitude Shown — Lull in Export Business Strontium Chloride Firmer — Copperas Position Strong Imported Soda Silicofluoride Further Advanced

A more hesitant attitude was uncovered in the market for heavy chemicals last week. Consumers obviously did not interpret the latest international developments with much optimism. The lack of any tangible improvement in industrial operations, coupled with the inclement weather, restricted shipments of some items. Conditions in Europe and the unsettled shipping tended to bring about a temporary lull in export business. Prices for basic chemicals were unchanged, and a steady to firm tone prevailed.

Imported soda silicofluoride continued its upward trend as a result of the cessation in shipments from Denmark. A better inquiry developed for anhydrous ammonia, but so far actual shipments were conservative. New business in sal ammoniac was restricted. No further price developments occurred in antimony oxide. Bleaching powder was quiet, with export inquiry less active. Calcium chloride suffered from the usual in-between season influences. Outlook for chlorine appeared brighter. Copperas was in a tight position, especially the crystal material. Potash salts were firm, and demand steady. Saltcake was nominal. Alkalies were taken moderately. Shipments of soda cyanide were steady. Seasonal movement of refined sulphur remained disappointing. Transactions in mineral acids lacked much broadening. Agricultural insecticides and fungicides continued to be influenced by cold weather.

Alums.—Prices rule firm. Steady demand for moderate quantities.

Alumina Hydrate. — Withdrawals modest. Quotations remain the same.

Alumina Sulphate.—Price tone held firm. Market position strong. Steady call.

Aluminum.—Fair demand. Prices well sustained.

Ammonia Aldehyde.—Small quantities made up the call. Prices firm.

Ammonia Anhydrous.—Better inquiry, with shipments moderate.

Ammonia, Aqua.—Consumers made necessary replacements. Prices rule firm.

Ammonia Bicarbonate.—Shipments continued routine. Quotations unchanged.

Ammonia Bifluoride. — Some fair size orders reported. No change in prices.

Ammonia Carbonate. — Quotations firm, with buying conservative.

Ammonia Fluoride.—Demand failed to expand, and prices were the same.

Ammonia Nitrate. — Commitments confined to regular channels. Strong price tone.

Ammonia Perchlorate.—Usual consumers made necessary commitments. Prices unaltered.

Ammonia Persulphate.—Steady interest for small lots. Quotations unchanged.

Ammonia Phosphate.—Buying narrow, with prices well maintained.

Ammonia Oxalate. — Routine demand, with quotations firm.

Ammonia Silicofluoride.—Prices unchanged, and demand light.

Ammonia Sulphocyanide. — There was little feature to the dealings.

Ammonia Sulphide. — Buying was moderate, and prices without change.

Ammoniac, Sal.—Buying restricted from major channels. No change in prices.

Antimony.—Market dull. Spot price unaltered.

Antimony Needle.—Quotations nominal, stocks scarce and demand modest.

Antimony Oxide.—No further price developments. New business light.

Arsenic.—Moderate inquiry for the white, shipments of red limited. Quotations unchanged.

Barium Carbonate.—Prices were firm, and withdrawals fair.

Barium Chlorate.—Not a great deal of interest was displayed. Prices ruled unchanged.

Barium Chloride.—Buying held to moderate levels. Prices were unchanged.

Barium Hydrate. — Demand was fairly steady. Prices held firm.

Barium Nitrate.—No new price developments occurred, with the tone firm. Business fair.

Price Changes

Advanced

Soda silicofluoride, imp., ½c. per lb.
Soda stannate, ½c. per lb.
Strontium chloride, 1½c. per lb.
Tin, Straits, ¼c. per lb.
crystals, ½c. per lb.
stannous chloride, ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
150.8	**150.8**	**150.6**	**148.0**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	**101.6**	**101.6**	**99.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Barium Oxide.—Steady to firm price tone, buying spotty.

Bleaching Powder.—New business remained light. Export demand only fair. Prices unchanged.

Calcium Acetate.—Routine demand, with prices the same.

Calcium Carbide.—Moderate activity, and prices firm.

Calcium Chloride.—Seasonal influences restrict shipments to some extent. Market position satisfactory, with prices unchanged.

Calcium Phosphate.—Market lacked any new developments of importance.

Calcium Sulphide.—Trading failed to broaden, but prices were firm.

Carbon Bisulphide.—Moderate demand, with no change disclosed in the prices.

Carbon Dioxide.—Prices were firm, and demand moderately active.

Carbon Tetrachloride. — Shipments for solvent and dry cleaning satisfactory.

Chlorine. — Business spotty, with outlook improved in some important consuming channels. Prices unchanged.

Cobalt Oxide. — Market strong, prices unchanged and demand steady.

Copper.—Demand quiet. All factors adhering to 11½c. price. Moderate export inquiry at 11.50c. f.a.s.

Copper Carbonate.—Trading narrow, prices without change.

Copper Chloride.—Dealings light. Prices firm.

Copper Oxide.—Shipments moderate, prices well maintained.

Copper Sulphate.—Good shipments to domestic and export channels. Market position strong, and prices firm.

Copperas.—Market position tight, shipments limited to regular consumers. Quotations firm.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Feldspar.—Buying held to nearby needs. Prices rule unchanged.

Fluorspar.—Shipments were moderate, and prices ruled firm.

Glauber's Salt.—Business displayed irregularity. No new price developments.

Lead Acetate.—Transactions routine and prices unchanged.

Lead Nitrate. — New buying restricted. Price tone steady to firm.

Lime.—Some spottiness reported in domestic business, good export inquiry. Prices rule unchanged.

Magnesite. — Satisfactory interest, with quotations unaltered.

Manganese Dioxide.—Routine shipments against contracts. Prices firm.

Methyl Chloride.—Buying moderate. Prices rule firm.

Molybdenum Metal Powder.—Firm price tone, with demand steady.

Nickel Salts.—Withdrawals spotty. Market lacked any price change.

Phosphorus. — Shipments restricted to regular channels. Prices firm.

Potash Carbonate. — Steady movement against contracts. Prices rule firm.

Potash, Caustic.—Fair size replacements reported. Pricewise no change occurred.

Potash Chlorate. — Market position satisfactory. Buying routine.

Potash Cyanide.—Trading dull, prices strictly nominal.

Potash Perchlorate.—Usual consumers provided moderate interest.

Potash Permanganate.—Steady inquiry for normal requirements.

Salt.—New business failed to broaden. Prices well maintained.

Saltcake.—Domestic and imported quotations nominal. Moderate demand from paper and glass industry.

Saltpeter.—Domestic shipments moderate, good export inquiry. Firm price tone.

Soda Acetate.—Prices firm and withdrawals routine.

Soda Antimoniate. — Developments of importance were absent.

Soda Ash.—Consumers made only moderate replacements as a rule. Satisfactory export demand. Prices unchanged.

Soda Bicarbonate.—Demand steady. Prices unchanged and firm.

Soda Bifluoride. — Shipments fair. No change in prices.

Soda Bisulphite. — Business spotty, and prices remain the same.

Soda, Caustic.—A fair steady interest was reported for nearby needs. Normal export business. Prices unaltered.

Soda Chlorate. — Transactions routine. Prices rule firm.

Soda Cyanide.—Steady shipments to regular channels. Quotations firm.

Soda Fluoride.—There was little feature to the trading in this direction.

Soda Hydrosulphite.—Market firm, and buying moderate.

Soda Hyposulphite.—Quotations unchanged, withdrawals spotty.

Soda Metasilicate.—Steady call for usual channels. Prices unaltered.

Soda Nitrite.—Business lacked expansion, but interest sufficient to keep market position firm.

Soda Oxalate.—Market strong. Shipments routine.

Soda Phosphate. — Shipments fair, satisfactory export demand. Prices without change.

Soda Pyrophosphate.—Prices firm, and demand moderately active.

Soda Silicate.—Steady call for nearby requirements. Firm price tone.

Soda Silicofluoride. — Imported prices advanced ½c., ranging from 7c. to 7½c. per pound, spot stock light and future shipments uncertain.

Soda Stannate. — Business fairly steady. Prices ½c. higher, ranging from 31½c. to 34½c. per pound.

Soda Sulphide.—Shipments routine. Prices rule unchanged.

Soda Sulphite.—Trading underwent little change, and usual consumers entered market for fair size replacements.

Strontium Salts.—Price for chloride 1½c. higher at 20c. per pound. No change in the carbonate and nitrate. Routine demand.

Sulphur, Refined. — Seasonal improvement slow in getting underway. Prices well maintained.

Tin Salts.—Prices ½c. higher, tin crystals ranged from 37c. to 37½c per pound; anhydrous stannous chloride 45½c. to 46c. per pound. Straits metal 47½c. per pound.

Uranium Oxide.—Market firm. Buying steady.

Zinc Carbonate. — Quotations unchanged, and dealings light.

Zinc Chloride.—Moderate demand. Prices rule unchanged.

Zinc Sulphate.—Firm price tone, with routine shipments reported.

Acids

Demand for mineral acids lacked any tangible improvement. Most items moved in fairly steady manner, but consumers were not inclined to order ahead. The outlook appeared encouraging, however, and some basic consuming industries were expected to take a more active interest in the market. Export inquiries for certain acids continued unabated. Prices were without any changes, and the general tone was steady to firm.

The curtailment of shipments from Germany brought about a shortage in British Malaya of formic and acetic acid. This resulted in large orders being placed for sulphuric acid for coagulation purposes. On January 18, the Straits Settlements Government Gazette published regulations placing acetic and sulphuric acids on the Restricted list.

Abietic.—Little feature to the market. Prices unchanged.

Acetic.—Moderate activity. Steady price tone.

Acetic Anhydride.—Routine shipments. Prices without change.

Battery.—Replacement buying fairly steady.

Butyric.—Usual consumers provided moderate demand. Prices unchanged.

Chlorosulphonic. — Business steady from regular channels.

Chromic. — Firm price tone, with buying held close to nearby needs.

Formic.—Business spotty, better export inquiry. Prices the same.

Gallic.—Market strong. Withdrawals light.

Hydrofluoric.—No change in prices, with trading only fair.

Lactic.—Buying irregular. No new price developments.

Mixed. — Interest conservative. Prices rule firm.

Naphthenic.—Steady call, with market position strong.

Muriatic. — Shipments moderately active. Prices firm.

Nitric.—Market firm and buying satisfactory.

Oxalic.—Supplies scarce; shipments restricted to regular requirements.

Phosphoric. — Withdrawals routine. Prices the same.

Pyrogallic. — Quotations firm and takings narrow.

Sulphuric. — Buying held close to production requirements. Prices unchanged and firm. Production by 55 fertilizer manufacturers during February, 212,719 tons, against 235,023 tons in January and 169,769 tons in February, 1939. First two months' production totaled 447,742 tons, compared with 351,155 tons in same period year ago, according to the Census Bureau.

Tannic. — Modest demand; prices were firm and unchanged.

Baltimore, April 17.—The market for sulphuric acid presents something like complete stagnation. Prices stand at $12 per ton for 60-degree and at $15 per ton for 66-degree acid. The situation as to oleum is about the same, the current quotation $17 per ton for 20 percent material.

Insecticides

Weather conditions continued to retard normal movement of agricultural insecticides and fungicides last week. Two days of freezing and frost throughout north and east Texas left the early tomato crop practically destroyed and thousands of acres of early cotton either killed or badly damaged. Replanting will begin at once. Damage to the commercial

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

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peach orchards west of Fort Worth and north of Dallas is believed serious. Blooms and young fruit escaped injury, however. Inquiry for calcium arsenate was only fair. Little new interest developed in lead arsenate. Paradichlorobenzene moved in moderate quantities for moth proofing purposes. Pricewise the market was unchanged, with the general tone about steady to firm.

Bordeaux Mixture.—Trading narrow. Prices unchanged.

Calcium Arsenate.—Shipments only fair. Prices remain the same.

Lead Arsenate.—Business failed to expand to any degree.

Nicotine Sulphate.—Light inquiry. Prices well sustained.

—Paradichlorobenzene. — Withdrawals moderately active. Prices without change.

Paris Green.—No new developments were disclosed. Prices rule firm.

Soda Arsenate.—Interest only moderate. Pricewise firm tone prevailed.

Zinc Arsenate.—Market strictly routine. Prices without alteration.

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Trade Briefs

W. B. Coulie has been elected a vice-president of the Harbison-Walker Refractories Company, Pittsburgh.

Dr. William G. Young has been appointed head of the chemistry department at the University of California.

Hercules Powder Company, Wilmington, plans an expansion at its Kenvil, N. J. plant, calling for an expenditure of $500,000.

Raybestos-Manhattan, Inc., has appointed Giles E. Hopkins as technical director of the United States asbestos division of the company.

Bauxite ore deposits recently discovered near Sao Paulo are being studied by Brazilian interests for possibilities of large scale production.

Aircraft Ink Company, New Orleans, La., has purchased a building at 333-35 North Diamond street, which it will occupy after September 1, moving from its present location at 208-10 South Peters street.

Herman Mark, of the Canadian International Paper Company, discussed synthetic rubber developments before the Buffalo Chapter of the American Chemical Society at the University of Buffalo, April 16.

Dr. Carlton E. Brown, of the Bureau of Mines, will discuss "The Problem of Harmful Dusts," at a meeting under the auspices of the University of Maryland at the College of Engineering auditorium, College Park, Md., April 23.

Aluminum Company of America, Pittsburgh, has signed a contract with the Bonneville Power Administration for deliverance of a second block of 32,000 kilowatts of power to its Western reduction plant in Vancouver, Wash., now under construction.

Philip M. Dinkins, vice-president of the American Cyanamid & Chemical Corporation, this city, and chairman of the chemical committee of the Greater New York Fund, has announced that contributions from all branches of the industry are at a much higher level than last year.

Howard W. Elkinton, Philadelphia, expects to sail for Europe May 4 to resume his duties as liaison representative of the American Friends Service Committee in the relief work carried on by Quaker agencies. He will have his headquarters in Berlin. Mr. Elkinton for a number of years had charge of purchasing for the Philadelphia Quartz Company.

Phila. Chemical Club to Hear About Chemical Glassware

The April dinner-meeting of the Philadelphia Chemical Club will be held at the Mercantile Literary Association, 253 Sydenham street, on April 29. J. J. Moran, technical manager of the general sales department of the Kimble Glass Company, Vineland, N. J., will speak on "The Story of Chemical Glassware." Mr. Moran's address will be augmented by a motion picture depicting the intricate features of manufacturing glassware. George B. Heckel, jr., 220 South Sixteenth street, is in charge of arrangements.

D. C. Jackling Honored By Western Engineers Society

Daniel Cowan Jackling, president of the Utah Copper Mining Company, received the Washington Award for 1940, at a banquet in San Francisco, April 15. The plaque, presented by L. R. Mapes, head of the Western Society of Engineers, was given in recognition of Mr. Jackling's "pioneering in large-scale mining and treatment of low-grade copper ores, releasing vast resources from formerly worthless deposits".

Potash Cyanide Now Made In U.S. by General Chem.

The General Chemical Company, this city, a leading producer of soda cyanide, is now manufacturing potash cyanide of a quality approaching the reagent grade in purity. This marks the first manufacture of potash cyanide in the United States. Previously consumers of potash cyanide were dependent upon shipment of the material from abroad, principally Germany.

The strength of the potash cyanide manufactured by the General Chemical Company is 94-96 percent KCN, and is said to be readily soluble in water. The product, low in insolubles, is a pure white granules. The company can supply the product mixed with varying percentages of soda cyanide, to suit the special requirements of low-melting heat-treating baths.

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Pfaltz & Bauer, Inc.
EMPIRE STATE BUILDING, NEW YORK

Chain Store Tax Opposed by Many

—Continued from page 3

"keenest kind" of competition existed among chains. Answering opponents of chain stores, Mr. Beavers contended that chains pay a fair share of local taxes; that chains do not stifle opportunity but create great fields for ambitious youth; and that chains are not responsible for loss-leader selling and demoralization of markets and the Patman bill would not curb these practices.

The bill was assailed by Daniel M. Bloomfield, manager of the retail trade board of the Boston Chamber of Commerce. Labor's opposition to the proposed legislation was expressed by C. M. Baker, president of the International Typographical Union. Farmers were represented by Edward A. O'Neal, president of the American Farm Bureau Federation, who said that tax proposals like the Patman bill have a damaging effect on farmers by increasing costs of distribution, reducing total consumption, and limiting production in agriculture.

Others who appeared to protest against the bill include Patrick E. Gorman, president of the Amalgamated Meat Cutters and Butcher Workmen of North America; T. M. Melden, secretary of the Texas Citrus Fruit Growers Exchange; Allen J. Wilson, vice-president of the American Trucking Association; Rilea W. Doe, representing the agriculture committee of the National Association of Food Chains; and C. F. Adams, treasurer of First National Stores. Some eighty more opponents of the bill are scheduled to be heard.

Du Pont Names Hoff Head Of ElectroplatingDivision

C. M. Hoff has become manager of the electroplating division of E. I. du Pont de Nemours & Co. He succeeds J. C. Pickard, who has been transferred to the R. & H. chemicals department. F. F. Oplinger has been made assistant manager of the electroplating division, filling the vacancy created by the promotion of Mr. Hoff. Mr Oplinger has been development manager for the electroplating division at Niagara Falls.

F. F. Oplinger

C. M. Hoff

Acetylene Ass'n Elects Henry Booth President

Milwaukee, Apr. 15, 1940

Henry Booth, vice-president of the Shawnigan Products Corporation, New York, has been elected president of the International Acetylene Association. Other officers elected at the association's fortieth convention were:—Vice-president, E. L. Mills, vice-president of the Bastian-Blessing Company, Chicago, and treasurer, Philip Kearny, president of the K-G Welding & Cutting Company, New York. H. F. Reinhard, of the Union Carbide Company, New York, was re-elected secretary.

Pepsi-Cola Trademark Upheld

A unanimous decision dismissing the opposition of the Coca-Cola Company and upholding the registration of the trademark of the Pepsi-Cola Company has been handed down in the court of appeals in Jamaica, British West Indies. Walter S. Mack, jr., president of the Pepsi-Cola Company, announced the decision and pointed out that the verdict was in agreement with the unanimous ruling the Supreme Court of Canada in a similar litigation last December.

Molasses Freights Revised

Albany, Apr. 15, 1940

The New York Public Service Commission has approved cancellation by the New York Central of its commodity rates on blackstrap molasses, in tankcars, from Yonkers to Olean and Cuba on the Pennsylvania and from Albany to Newfield and Ithaca on the Lehigh Valley. Reductions to class rates. Effective May 5.

Gelatin Freights Down

Albany, Apr. 15, 1940

The New York Public Service Commission has approved new commodity freight rates on the following:—

Of the New York Central on inedible gelatin, carload, minimum weight 30,000 pounds, from New York and Brooklyn stations, Westchester avenue and Port Morris to Rochester stations 38c. per hundredweight, reduction 19c. Effective May 5.

Detroit Soda Products Company plans the erection of an addition to its plant at a cost of $50,000.

Bottemiller Named Head Of N.D. Chemists Club

Detroit, Apr. 15, 1940

Henry Bottemiller, of the Cook Paint & Varnish Company, was elected president of the North Dakota Chemists Club at the annual meeting held here. Lawrence E. Forman, of the same company, was named vice-president, and James D. McGlynn, of the Acme White Lead & Color Works, was elected secretary-treasurer. Norman Peterson, of the Dow Chemical Company, led an open discussion on ethyl cellulose.

Luther Joins Vita-Var Corp.

Richard Luther has been appointed by the Vita-Var Corporation, paint manufacturers, Newark, N. J., to take charge of its industrial sales and export divisions. Mr. Luther was associated for more than twenty-one years with the Certainteed Products Corporation, in charge of export sales. He resigned to become associated with Vita-Var.

Bureau of Mines Offering 3 Research Fellowships

—Continued from page 4

have the proper training in engineering or applied physical science and who are qualified to undertake research work.

In addition, the University of Maryland offers two graduate fellowships in chemical engineering, granting remission of tuition fees and paying in addition $500 per year to each of the fellowship holders. The fellowship committee, Eastern experiment station, Bureau of Mines, U. S. Department of the Interior, College Park, Maryland, will receive applications for these fellowships up to May 1, 1940.

J. B. Magnus, vice-president of Magnus, Mabee & Reynard, essential oils and aromatics, this city, returned from a vacation in St. Augustine, Fla. The vacation was cut short when he received word that his daughter was ill with influenza.

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Shipped in galvanized drums.

General Chemical Company, a leading producer of Sodium Cyanide for industry, is now manufacturing Potassium Cyanide of an extremely high quality (approaching reagent grade in purity) *—independent of foreign sources of supply.*

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Company..... *Address*.....
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F.D.A. Transfer Appears in Doubt

—Continued from page 3

control of the United States Public Health Service.

Should plan IV be defeated, it would be possible for the President to resubmit it after deleting the parts which met the most opposition in Congress, so that the F.D.A. transfer might be accomplished even if aviation interests block transfer of the Civil Aeronautics Authority.

In the reorganization act Congress tied its own hands in dealing with reorganization orders. If Congress does not act within sixty days the plan takes effect automatically, and it takes a majority vote of both house and senate to kill a plan. Thus, if the McCarran disapproval resolution should pass the senate it would still have to pass the house before sixty days from April 11 in order to prevent the plan from taking effect. No companion resolution has been introduced in the house, since C.A.A. champions feel that their cause is stronger in the senate and they will have a better chance in the house if the resolution has already passed the senate; whereas, if a similar resolution were defeated in the house there would be no use in pressing the matter further in the senate. Opponents of the C.A.A. transfer believe that they will obtain more support in the next few weeks, so they are in no hurry to press for a vote immediately.

Transfer of the Food and Drug Administration from the Department of Agriculture to the Federal Security Agency will not require any change in the language of the food, drug, and cosmetic act or any of the other statutes under F.D.A. administration; nor will any change in its appropriations, regulations, methods of operation, or personnel be necessary. The only difference will be that the powers given by the statutes to the Secretary of Agriculture will be exercised by the FSA Administrator. Most of these powers are already delegated to the Food and Drug Administration, and as a practical matter the chief activities of the administrator—or perhaps the assistant administrator—will be to promulgate regulations and sign notices of hearings, seizure orders, and other documents prepared in the Food and Drug Administration.

Transfer Carries Functions

The President's reorganization order specifically states that the functions of the head of a department, records, property, personnel, and funds are all transferred. This means that the Food and Drug Administration will continue to operate as in the past, except that the functions of Secretary Wallace will hereafter be exercised by Administrator McNutt; the administrator will have neither more nor less authority over F.D.A. work than the secretary has had.

The reorganization act itself specifies that all orders, rules, regulations, permits, or other privileges made, issued, or granted by any agency transferred shall continue in effect to the same extent as though there had been no transfer, until modified or repealed. Also no suit, action, or other proceeding lawfully commenced shall abate by reason of the transfer, but courts may allow the substitution of a new name for an old one in pending actions. The reorganization act specifically states that all laws relating to an agency transferred shall remain in full force and effect insofar as they are not inapplicable.

No legal significance attaches to the fact that the Secretary of Agriculture canceled the hearings previously scheduled for considering regulations on dietary foods and standards of identity for flour, while at the same time proceeding with arrangements for a hearing May 2 on a minor amendment to the standards for canned tomatoes. There is a possibility of a challenge to the validity of regulations promulgated by one officer when another officer has designated a subordinate to conduct the required hearings, but the controlling reason for postponing the hearings was one of administration. It is the desire of the Food and Drug Administration to complete as much pending work as possible before the transfer and not to start new projects which could not be completed by that time. The tomato matter and other standards proceedings on which hearings have already been held can be completed in a relatively short time, and it is assumed that after the transfer the same dietary food regulations will be reassigned for hearing, very likely under the same presiding officer, and that their consideration will continue in the same manner.

No Change in Act Needed

Whether or not the food, drug, and cosmetic act, and other statutes involved in the transfer, will be reprinted to substitute the title of the FSA Administrator for that of the Secretary of Agriculture is a matter which has not yet been decided, but this will make no difference as a matter of practice. For example, the original food and drug act of 1906 specified that certain functions were to be performed by the Bureau of Chemistry, but these were transferred to the Food and Drug Administration, when it was created through a change of language in the department's appropriation bill in 1930.

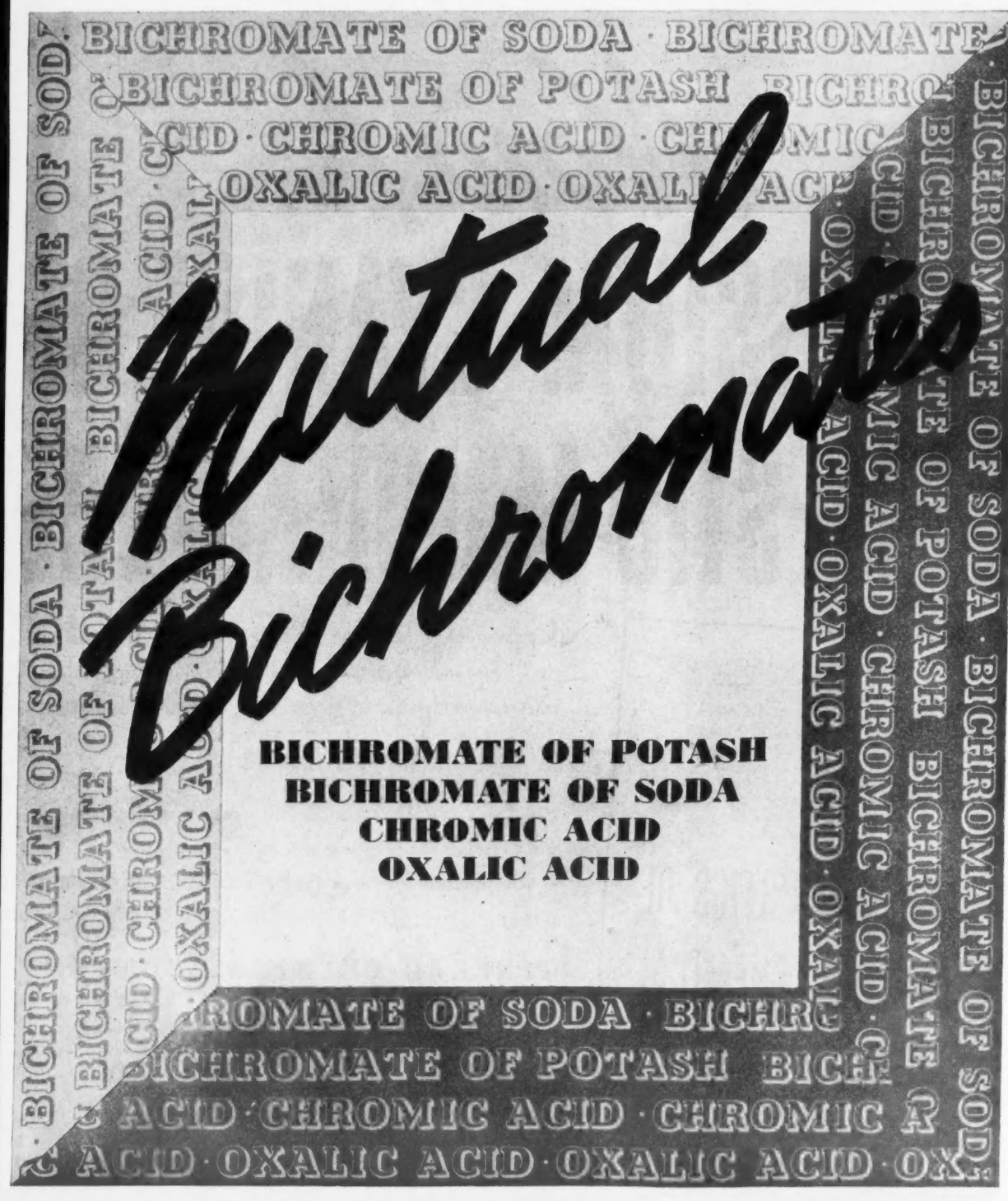
Similarly, the tea inspection act states that it is to be enforced by the Secretary of the Treasury, but Congress, in an appropriation bill in 1921, transferred enforcement to the Department of Agriculture. Subsequent prints of this statute have continued to use the name of the Secretary of the Treasury, but with a footnote explaining that the Secretary of Agriculture succeeded to all powers conferred in the act.

Some attorneys are of the opinion that the reorganization act is advance approval for the change of designations of enforcement officers and that therefore the statutes involved in transfers can be reworded appropriately without specific congressional action. However, whether the wording of the act is changed or not there is no doubt but that the FSA Administrator will perform all the functions previously performed by the Secretary of Agriculture under the laws involved. These statutes, in addition to the food, drug, and cosmetic act, are the tea inspection act, the import milk act, the caustic poison act, and the filled milk act.

Staff to Be Divided

Preparation for the actual transfer of the Food and Drug Administration is more complicated than in the case of some other reorganizations, since the entire unit is not shifted bodily. The order prescribes that enforcement of the naval stores and insecticide acts is to remain in the Department of Agriculture. Since these acts were enforced for the most part by employees also engaged in work under the other statutes, the staff will have to be divided into two parts, both in the Washington office and in the field. Approximately fifty of the 930 F.D.A. employees will remain in the department to enforce these two laws. It has not yet been decided under what bureaus they will function, but they probably will not be kept as a separate bureau. The insecticide work could be placed under the Bureaus of Agricultural Chemistry and Engineering or the Bureau of Entomology and Plant Quarantine. The

—Continued on page 46



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270 MADISON AVE. NEW YORK

PLANTS AT BALTIMORE AND JERSEY CITY MINES IN NEW CALEDONIA

Dyestuffs, Textile and Leather Chemicals

Corn Starch, Dextrin and Corn Sugar Prices Revised Upward —Domestic Egg Yolk Firmer—Bichromates Remain Active —Dyestuffs Dull — Tanning Materials Continue Quiet

Demand for dyestuffs, textile and leather chemicals continued spotty. With few exceptions demand was not active, and withdrawals were held close to production requirements. Bichromates moved steadily against contracts, with export interest still active. Dyestuffs were dull. A moderate demand prevailed for most sizing materials, while tanning materials were quiet. Price changes were confined to the sizing materials.

Effective immediately, a leading seller advanced prices for corn starch, dextrin and tanners corn sugar. However, orders will be booked at the old prices provided specifications are received by April 27. Advance was primarily attributed to the recent strength in the commodity market, although bookings have been satisfactory. Contrary to the trend in imported egg yolk, domestic prices were stronger.

Tanning materials underwent no price changes. However, some interest was attached to the lifting of war risk insurance in the Mediterranean area. Sumac would be the most likely affected, but so far no change was disclosed. Trading in sumac has been retarded to some extent by the recent Italian export restrictions.

Price Changes

Advanced

Corn, dextrin, 10c. per 100 lbs.
starch, 10c. per 100 lbs.
sugar, tanners, 10c. per 100 lbs.
Egg yolk, dom., 2c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
143.2	**143.0**	**142.5**	**137.8**

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—Prices for 32 percent and 20 percent basic technical remain the same as recorded in the late market section of previous issue. A technical soluble and insoluble material have been added.

Alumina Chloride. — Commitments only fair. Prices ruled unchanged.

Ammonia Acetate.—Prices firm, and demand modest.

Ammonia Bichromate. — Dealings were conservative. Prices rule firm.

Chrome Acetate.—Trading lacked much feature. Quotations unchanged.

Potash Bichromate. — Shipments against contracts steady. Good export inquiry. Prices very firm.

Potash Prussiate. — Strong price tone. Offerings limited, demand routine.

Soda Bichromate. — Shipments moved to regular consumers at good pace. Active export interest. Price tone firm.

Soda Prussiate.—Consumers made necessary replacements. Prices hold the same.

Zinc Dust.—Firm price tone, with interest moderately active.

Dyestuffs

Annatto.—Market quiet. Prices unchanged.

Archil. — Material scarce. Prices nominal.

Cochineal.—Strong price tone, with offerings limited.

Fustic.—Fair demand, with price tone firm.

Hypernic.—Demand routine. Prices underwent no change.

Indigo.—Market was a dull affair. Prices unchanged.

Logwood.—New business restricted. Prices rule firm.

Madder Dutch.—Buying was narrow. Prices failed to change.

Turmeric.—Market nominal. Stocks limited and offerings small.

Sizing Materials

Albumen, Blood.—Price firm, with demand steady.

Albumen, Egg.—Fair interest. Prices unchanged and tone about steady.

Corn Sugar.—Prices for all grades 10c. per 100 pounds higher. Bookings moderately active.

Dextrin, Corn.—Quotations advanced 10c. per 100 pounds for all grades. Steady interest.

Dextrin, Potato.—Fair demand, with prices without change.

Egg Yolk.—Domestic prices 2c. per pound higher, ranging 57c. to 62c. per pound: no change in imported. Moderate demand.

Sago Flour.—Prices were steady, a satisfactory inquiry prevailed.

Starch, Corn.—All grades raised 10c. per 100 pound. Bookings good. March corn grind 5,386,977 bushels, against 5,104,094 bushels in March a year ago. Three months this year aggregated 17,196,495 bushels, compared with 15,472,174 bushels in like period a year ago, according to Corn Industries Research Foundation.

Starch, Potato.—Prices steady. Shipments fairly steady.

Starch, Rice.—Replacement buying moderate. Prices the same.

Starch, Sweetpotato.—Buying spotty. Prices remain the same.

Tapioca Flour.—Steady to firm price tone, with shipments moderately active.

Tanning Materials

Chestnut Bark.—Firm price tone. Demand routine.

Cutch.—Buying irregular. Quotations ruled firm.

Gambier. — Market quiet. Prices nominal.

Hemlock Bark. — Shipments fair, with prices will sustained.

Hematine. — Business conservative. No change in prices.

Mangrove Bark.—Prices unchanged, and interest dull.

Myrobalans. — Market quiet. No change disclosed in the prices.

Oakbark. — Consumers made only necessary purchases.

Osage Orange. — There was little feature to the trading.

Quebracho.—Moderate inquiry, with prices firm.

Quercitron.—Shipments held close to production requirements.

Spruce.—New business quiet. Pricewise a firm tone prevailed.

Sumac.—No new price developments. Interest light.

Valonia.—Prices held firm. Business was modest.

Wattle Bark.—Trading narrow, with prices steady to firm.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Trucking Rules Issued For Dangerous Articles

—Continued from page 3

pers certificates that the dangerous articles listed are properly described, marked, labeled, and packaged. Truck regulations include requirements as to loading, unloading, care of equipment, and operation, and there are restrictions on types of trucks, tanks, and trailers which may be used to haul various listed commodities. Each of the six commodity classifications list exemptions, types of containers, and labeling requirements.

The regulations are issued under authority of both the transportation of explosives act of 1908 and the motor carrier act of 1935, and all previous regulations on this subject under both acts are repealed, since the new regulations are the first comprehensive ones on motor carriage of dangerous articles.

The proceeding was begun by the Interstate Commerce Commission, June 14, 1937, and three preliminary drafts of regulations were issued. Hearings were held in Los Angeles, Tulsa, and Washington at which the Manufacturing Chemists Association, the Compressed Gas Manufacturers Association, petroleum interests, and many other trade groups were represented. Specifications for trucktanks for carrying various commodities are included, but these do not include basic design characteristics as this subject is still being studied and will be included in a supplemental order.

The regulations will not, for the present, apply to intrastate transportation except as a part of an interstate haul, but State officials are expected to apply similar regulations within their jurisdictions. The regulations will be indexed and printed for general distribution very shortly, even though they may be subject to revision following completion of a revision of the regulations for shipment of dangerous articles by rail now nearing the final stages in docket No. 3666.

Rid-O-Moth Corp. Formed To Make Paradichlorobenzene

Rid - O - Moth Corporation, South Kearny, N. J., has been formed for the manufacture of paradichlorobenzene. Officers of the new company are:—A. Weiner, who is also head of the Standard Naphthalene Products Corporation, South Kearny; vice-president, D. W. Blaine, and secretary, W. H. Lerner, both of whom are also affiliated with Standard Naphthalene. The new company has just completed the erection of a plant for the production of paradichlorobenzene adjacent to the plant of the Standard Naphthalene products Corporation.

Carolina Aniline to Expand

Felix A. Tomalino has been named head of the newly formed mert department of the Carolina Aniline & Extract Company, Charlotte, N. C. This new department has been organized to extend the scope of the company's activities beyond the textile field.

N.Y. Fireworks Ban Signed

Governor Lehman signed the Warner bill on April 12. The bill provides that fireworks cannot be used after August 1, except when used by experts in public celebrations.

Harold W. Rose, former sales manager for the Warwick Chemical Company, this city, has joined the Phoenix Color & Chemical Company as vice-president in charge of sales.

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Phenol U.S.P. (Natural and synthetic)

A white crystalline product used in the manufacture of dyestuffs, chemicals, medicinal products and for Phenol-Formaldehyde Resins when extremely light color is necessary.

Technical 39°M.P.

Light colored, approximating U.S.P. quality with Phenol content approximately 97%. Recommended where it is not necessary to adhere strictly to U.S.P. specifications. Used principally in the manufacture of Phenol-Formaldehyde Resins.

Technical 90-92%

Light colored when shipped but with tendency to discolor more rapidly than U.S.P. or 39°M.P. grades. Melting point is above 36°C. Used principally in manufacture of Phenol-Formaldehyde Resins and in mixtures with Cresol for the refining of lubricating oils.

Technical 82-84%

Used principally in the manufacture of Phenol-Formaldehyde Resins. The Ortho Cresol content can be controlled to some extent to give material of low, medium or high Ortho Cresol content to meet the requirements of the finished resin desired.

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Coaltar Chemicals

Toluol Continues Scarce With Little Available for Export —Benzol Supplies Adequate—Tar Acids in Fair Demand — Coaltar Acids, Colors and Intermediates Dull

Business lacked any appreciable gains in the market for coaltar chemicals last week. Sellers reported a fair amount of activity in most basic products, but the disposition to order closer to production requirements still prevailed. Buying of coaltar acids, colors and intermediates remained on the conservative side. Export inquiries entered the market on a comparatively satisfactory scale. The market underwent no new price developments, and the general tone remained steady to firm.

Toluol provided the feature to the market. Supplies were scarce, and demand very heavy, particularly for export. Domestic producers were unable to fill all the inquiries reaching the market, and the business consummated for export passed at prices considerably above domestic levels. In an effort to balance the market, producers usually required any toluol bought for export to be accompanied by purchases of benzol. On the other hand benzol supplies were entirely adequate to take care of all demands at the present. Xylol market was firm, and demand held fairly steady.

Tar acids, including cresols, cresylic acid and phenol were taken in fair quantities. The absence of any sizable imports of cresylic kept the market in a firm position. A better inquiry continued to be felt in the market for phenol. Trading in cresote oil lacked much improvement, but the market position was satisfactory. Movement of crude and refined napthalene was in line with seasonal trend. Withdrawals of pyridin were steady against contracts. Dealings in tar acid oils were narrow.

Demand for coaltar colors remained dull. Some encouragement was derived from the better export demand, but domestic consumers usually held commitments close to production requirements. With few exceptions intermediates were quiet. No new developments occurred in various coaltar acids.

Price Changes

Advanced
None
Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	125.6

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Supplies sufficient to meet all demands. New business moderate. Fair export inquiry. Sellers adhere to former price.

Carbazol. — Market lacked much feature. Prices were without change.

Coaltar.—Dealings in crude and refined routine. Pricewise a firm tone predominated.

Creosote Oil. — Trading did not broaden appreciably. Market position satisfactory. Prices were unchanged and firm.

Cresols.—A fairly steady demand prevailed. Prices were in conformity with those prevailing previously.

Cresylic Acid.—Demand was adequate to keep the market in a firm position. Little interest developed in the imported material. Prices were without change.

Naphthalene.—Crude and refined moved in normal seasonal quantities. No change occurred in the prices, and the tone of the market was steady to firm.

Oil, Shingle Stain. — Transactions were of a routine character. Quotations were the same.

Phenol.—Shipments moved at a moderate pace. A better export inquiry was disclosed. Prices were unchanged and firm.

Pitch, Coaltar.—There were no new developments in this direction, trading was narrow. Prices held unchanged.

Pyridin.—Withdrawals were steady against contracts. Quotations ruled unchanged, and market tone was firm.

Tar Acid Oils.—Transactions were light. No change was disclosed in the prices.

Toluol.—Market position tight, sellers concentrated on filling domestic orders. Export inquiry heavy, supplies scarce and few sales made at prices ranging from 60c. to 65c. per gallon.

Xylol.—Demand was fairly steady to regular consuming channels. Fair export interest. Prices ruled unchanged.

Chicago Coaltar Bases

A fairly good market condition is reported persisting in the coaltar bases here, with material moving out well on orders. Benzol buying has held up, and the price structure appears quite firm. Inquiry has been better on some items here lately. Most buying is in limited lots. Ruling prices, exclusive of tax, are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 11c. to 11½c.; toluol, 25c.; 10-degree xylol, 30c.; solvent naphtha, 27c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—Trading routine. Price firm tone prevailed.

Benzoic.—Prices rule firm. Demand fair.

Broenner's.—Buying modest. No change in prices.

Cleve's.—Fair interest, with prices well maintained.

Fumaric.—Satisfactory inquiry. No change in quotations.

Gamma. — Moderate inquiry for nearby requirements.

H.—Transactions routine. Prices remain firm.

Laurent's. — Demand conservative. Quotations without alteration.

Malic. — Market underwent little change from recent weeks.

Maleic.—Shipments moderately active. Pricewise firm tone prevailed.

Picramic.—Withdrawals in line with current requirements.

Picric.—Prices remain firm, with takings steady to regular channels.

Salicylic.—There was little disposition to broaden commitments.

Succinic.—Dealings were of a routine character.

Sulphanilic.—The call was moderate, and prices were well sustained.

Tobias.—No change in prices, with demand routine.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Other Intermediates

Alphanaphthol. — Small quantities made up the call. Prices rule firm.

Alphanaphthylamine.—Interest conservative. No change in quotations.

Anilin.—Consumers made fair size replacements. Pricewise firm tone prevailed.

Amthraquinone.—Transactions held to nearby requirements as a rule.

Benzaldehyde.—Technical grade in fair demand. Prices the same.

Benzidin Base.—Dealings routine, with prices well maintained.

Betanaphthol.—Market lacked any broadening. Prices firm.

Betanaphthylamine.—No new developments took place in this direction.

Diethylanilin.—Buying was moderate, and prices ruled unchanged.

Dimethylanilin.—There was little disposition to expand commitments.

Dinitrobenzene. — Usual consumers entered market for nearby needs.

Dinitrochlorobenzene. — Firm price tone, with activity only fair.

Dinitronaphthalene.—Quotations unchanged, and trading light.

Dinitrophenol. — Modest quantities usually made up the call.

Dinitrotoluene.—Transactions lacked broadening. Prices were firm.

Diphenyl.—Nothing of importance developed, and prices held the same.

G. Salt.—Withdrawals routine, and prices unaltered.

Metanitroparatoluidin. — Dealings were narrow in this direction.

Metaphenylenediamine.—Small lots provided most of the activity.

Metatoluyenediamine.—Prices were firm, and trading modest.

Nitrobenzene.—Demand moderately active. Prices without change.

Nitronaphthalene.—Usual consumers made necessary replacements.

Orthochloranilin.—Firm price tone, and buying fairly steady.

Orthochlorophenol.—Not much interest was reported in the market.

Orthodichlorobenzene. — Business was only moderate. Prices ruled unchanged.

—Continued on page 34

Bids Wanted

Alcohol, Hexahydric:—Supplies for 1941 fiscal year; Office of the Public Printer, Government Printing Office, Washington; opening May 13.

Aluminium Hydrate:—Supplies for 1941 fiscal year; Office of the Public Printer, Government Printing Office, Washington; opening May 13.

Asphalt, Cutback:—6,950 gallons; Bureau of Prisons, Department of Justice, Washington; procurement 2381, opening April 26.

Cleaning Compound:—2,000 pounds; Commanding Officer, Aberdeen Proving Ground, Md.; procurement 136, opening April 25.

8,000 gallons; Purchasing Agent, Post Office Department, Washington; procurement 181, opening April 26.

Drugs:—21 items for Fayette, N. C.; Procurement Division, Veterans Administration, Washington; procurement 545, opening April 24.

Milk of Magnesia:—14,000 gallons for Chicago; Procurement Division, Veterans Administration, Washington; procurement 593, opening April 24.

Nicotine Sulphate:—3,000 pounds; Division of Purchases, Sales and Traffic, Department of Agriculture, Washington; procurement 8347, opening April 25.

Roof Cement:—6,000 gallons; Purchasing and Contracting Officer, Material Division, Air Corps, Wright Field, Dayton; procurement 1380, opening May 1.

Soap, Green:—5,400 pounds; Procurement Division, Veterans Administration, Washington; procurement 593, opening April 24.

Phosphate: Supplies for 1941 fiscal year; Office of the Public Printer, Government Printing Office, Washington; opening May 13.

Hypochlorite:—2,640 gallons; Purchasing Contracting Officer, Trenton CCC District, Trenton, N. J.; procurement 5219-37, opening April 24.

Sulphuric Acid:—108,000 pounds for Norfolk; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1391, opening April 30.

Titanium Dioxide:—Supplies for 1941 fiscal year; Office of the Public Printer, Government Printing Office, Washington; opening May 13.

Toner, Paste:—Supplies for 1941 fiscal year; Office of the Public Printer, Government Printing Office, Washington; opening May 13.

Varnish:—1,440 gallons; Purchasing and Contracting Officer, District Quartermaster, Schenectady District; procurement 5211-57, opening April 23.

Lithographic:—Supplies for 1941 fiscal year; Office of the Public Printer, Government Printing Office, Washington; opening May 13.

Violet Toner:—Supplies for 1941 fiscal year; Office of the Public Printer, Government Printing Office, Washington; opening May 13.

Wax, Floor:—6,020 pounds; Purchasing Agent, Post Office Department, Washington; procurement 182, opening April 26.

International Nickel Makes Changes in Research Personnel

F. L. LaQue, who has been assistant director of technical service on mill products in New York for the International Nickel Company, is now engaged in development activities on all applications of both ferrous and nonferrous nickel-containing alloys. Dr. William A. Mudge, formerly works metallurgist of the company's rolling mill at Huntington, West Virginia, and who recently joined the technical service section of the development and research division in New York, has been appointed assistant director of technical service to succeed Mr. LaQue. Mr. LaQue has been associated with International Nickel since 1927, devoting his activities to the field of corrosion and corrosion resisting materials. Dr. Mudge joined the company in 1920.

Light Soda Ash to Be Made By American Potash & Chem.

The American Potash & Chemical Corporation is constructing a plant at Trona, Calif., for the production of a light soda ash. The company has been manufacturing and selling the form of soda ash known as "dense ash."

Gair Plans Plant in Phila.

Robert Gair Company, this city, has purchased a plant site in Philadelphia for the manufacture of paper box board, folding cartons and box containers. The new site, a four-acre tract on which is a factory building of 44,000 square feet, was purchased at a cost of $135,000. The company operates plants in other sections, including New York, Connecticut, Maine and Canada.

Greeff to Sell Sal Ammoniac

R. W. Greeff & Co., manufacturers' agent on pharmaceutical and industrial chemicals, this city, has been appointed sales agent on all grades of ammonia chloride and anhydrous soda sulphate manufactured by the Pittsburgh Iron & Coke Company, Pittsburgh.

Technolog-Employment Relations Disputed

—Continued from page 3

technology had increased opportunities for employment, created new investment opportunities and expanded the demand for capital goods. He said that generally employees affected by improvements have not been laid off, but were retrained and reassigned. He felt that continued advances in technology would increase the demand for new employees, as well as call for new plant additions.

Mr. Harrison's contention that few employees of the company had been laid off was disputed by Rose S. Sullivan, of the Commercial Telegraphers Union. She testified that, not only have many employees been laid off, but that technological improvements have resulted in the loss of opportunities for new jobs. She denied emphatically that the depression had been responsible for the loss in jobs, and declared that the introduction of the dial system was the main cause of unemployment in the telephone industry.

J. J. Pelley, president of the Association of American Railroads, cited the depression and competition as the main causes of unemployment on the railroads. He testified that an annual spending program of $500,000,000 would be justified for new equipment and capital improvements. He criticized the recently issued report on transportation, by Joseph B. Eastman, chairman of the Interstate Commerce Commission, the findings in which, he said, conflicted with the conclusions of independent experts.

George M. Harrison, president of the Brotherhood of Railway Clerks, declared the government must do something to solve the unemployment problem, or American democratic and social institutions will be imperiled. In contrast with the statement made by Mr. Pelley, he said that technological advances had resulted in the loss of 626,000 jobs in the railroad industry during the past twenty years.

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TAR ACID OILS—Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content—appropriate for low to high coefficiencies with tar acid contents as required.

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TAR ACIDS
Phenol • Cresol
Cresylic Acid

TAR ACID OILS

Coaltar Chemicals

Other Intermediates

—*Continued from page* 33

Orthonitroanilin. — Pricewise firm tone prevailed. Buying slow.

Orthonitrotoluidin. — Strong price tone. Business steady.

Orthotoluidin.—Prices were firm, and buying satisfactory.

Parachlorophenol. — New business remained dull. Prices unaltered.

Paranisidin.—Fair interest, with no change in the quotations.

Paranitroanilin. — Quotations were firm, and business quiet.

Paranitrophenol.—There was little feature to the trading.

Paranitrotoluene. — Dealings were moderate, and prices well maintained.

Paratoluene. — Strong price tone, with business routine.

Phthalic, Anhydride.—Shipments to major consumers remain satisfactory.

R. Salt.—Market lacked any new developments.

Thiocarbanilide.—Transactions were fairly steady. Prices firm.

Toluidin, Mixed.—Firmness characterized the trading. Demand routine.

Coaltar Colors

New business remained on a conservative scale in the market for various coaltar colors last week. Spot and contract shipments were generally held close to production requirements. Inquiries and shipments for export continued to make a favorable comparison with the corresponding period a year ago. The market lacked any new price developments, and the tone of the market was firm.

Imports of coaltar dyes into Japan during the first nine months of 1939 amounted to 482,061 kin, valued at 3,295,718 yen, compared with 301,282 kin, valued at 1,962,711 yen in the like period a year ago. Of the total imported Germany supplied 263,932 kin; United States, 77,178 kin; Switzerland, 69,946 kin and 61,617 kin from France.

Equipment Stocks Shown By First Machinery Corp.

The First Machinery Corporation, manufacturer and dealer of new and rebuilt equipment, have released their Spring, 1940, edition of "First Facts." Of tabloid size, the presentation emphasizes by description and illustration the wide variety of apparatus stocked by the First corporation, either in its capacity of representative of many large manufacturers of new equipment, of machinery manufactured by itself, or in conjunction with its rebuilt machinery business. A copy of the issue may be obtained by addressing the First Machinery Corporation, East Ninth street and East River drive, New York, mentioning the REPORTER.

Barrett Company, coaltar solvents and nitrogen products, this city, is distributing a blotter pad, on which is a calendar for April, May and June.

Atlas Powder Company, Wilmington, plans the construction of seven additional buildings for a trinitrotoluene plant in Duenweg, Mo., at a cost of $500,000.

N.Y. Production Club Hears Talk on Castor Oil

The annual election of officers of the New York Paint & Varnish Production Club will be held at the May meeting it was announced at the regular monthly meeting held April 17 in the Building Trade Employers' Association, this city.

George W. Priest, of the Woburn Degreasing Company, Harrison, N. J., was the principal speaker at the dinner. Mr. Priest presented the paper entitled "Dehydrated Castor Oil" that he has read to various other production clubs throughout the country in the past. A motion picture, "Frontiers of the Future," which was to have been shown by representatives of the Brooklyn Varnish Company, was not presented due to electrical difficulties.

Toronto Production Club Discusses "Surfex", "Multifex"

Toronto, Apr. 15, 1940

Everett Boughton and Charles Stetson of R. T. Vanderbilt & Co., New York, and J. Craig of the Pure Calcium Products Company, Painesville, Ohio, were the principal speakers at the March meeting of the Toronto Paint & Varnish Production Club. The first two speakers discussed "Surfex" resins, pointing out the advantages obtained by their use, while Mr. Craig stressed the favorable qualities of "Multifex."

Dallas Production Club Hears Hoback on Titaniums

Dallas, Apr. 15, 1940

W. H. Hoback, of the Titanium Pigment Corporation was principal speaker at the regular monthly meeting of the Dallas Paint & Varnish Production Club. He discussed the application of titanium in various formulations. The club's nominating committee was instructed to submit a slate of officers for the ensuing year at the next meeting.

Ball Clay Sales Up in 1939

Exceeding by a wide margin the 1937 all-time record, production of domestic ball clay rose to 128,601 short tons valued at $935,721 in 1939, compared with 94,968 tons worth $739,691 during the preceding year. Imports under the classification "common blue and ball clay" totaled 28,540 short tons valued at $233,094, compared with 20,199 tons and $199,523 in 1938 and much larger amounts in earlier years.

Balto. Paint Salesmen Discuss Training of Young Painters

Baltimore, Apr. 16, 1940

Charles W. Sylvester, director of vocational schools in this city, was principal speaker at the April meeting of the Baltimore Paint Salesmen's Club. He told members of the vocational class in painting that the schools are conducting and outlined what was being done to develop young men in the craft. The club voted to accept an invitation to attend the annual joint dinner meeting of the Baltimore Paint, Varnish & Lacquer Association and the Baltimore Paint & Varnish Production Club.

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Paints

Plasticizers Used in Paints Containing Cellulose Esters or Ethers

(Continued from April 15 issue)

Dinaphthyl-phosphoric acid amylester
Dinaphthyl-phosphoric acid methylester
Dinaphthyl-pnospnoric anilide
Dinitrobenzene
Dinitrodiphenylamine
Dinitrodiphenylethane
Dinitrotoluene
Dioxydiphenyldiethyl-methylmethane
Dioxydiphenyldimethyl-methane
Dioxydiphenylethylmethane
Dioxynaphthol ketone
Diparasulpho-2:7-dioxynaphthalene
Diphenyl, carbonated
Diphenyl, chlorinated
Diphenyl cresylphosphate
Diphenyl ether
Diphenyl ethylphosphate
Diphenyl oxide
Diphenyl phthalate
Diphenylamine
Diphenylbenzidin
Diphenylethane
Diphenylglyceryl ether
Diphenylmethane
Diphenylmethyl thiophosphate
Diphenyl-phosphoric acid anilide
Diphenyl-phosphoric acid amylester
Diphenyl-phosphoric acid cresylanilide
Diphenyl-phosphoric acid ethylanilide
Diphenyl-phosphoric acid methylanilide
Diphenyl-phosphoric acid methylester
Diphenyl-phosphoric acid naphthylanilide
Diphenyl-phosphoric acid naphthylester
Diphenyl-phosphoric acid phenylanilide
Diphenyl-phosphoric acid phenylester
Diphenylurea
Di-normal-propylsulphone
Ditetrahydrofurfuryl adipate
Dodecyl acetate
Dodecyl alcohol
Dodecyl oleate
Edistin
Eleaolphthalic acid dibutylester
Eleaolphthalic acid di-isobutylester
Erganol
Ergol
Erythritol
Erythritol acetate
Erythritol benzoate
Erythritol formate
Erythritol maleate
Erythritol nitrate
Erythritol oxalate
Erythritol phthalate
Erythritol succinate
Esters of 2-benzoylbenzoic and related acids
Ethanolamine
Ethox
Ethoxyacetylborneol
Ethoxyacetylmenthol
Ethexyethyl phthalate
Ethyl abietate
Ethyl acetylsalicylate
Ethyl adipate
Ethyl azaelate
Ethyl betabutoxyethyl-sebacate
Ethyl butyrate
Ethyl carbamate
Ethyl carbanilate
Ethyl carbonate
Ethyl cinamate
Ethyl dicresylphosphate
Ethyl diphenylphosphate
Ethyl meta-amidosulphobenzoate
Ethyl metanitroparaamidobenzoate
Ethyl oleate
Ethyl orthoamidosulphobenzoate
Ethyl oxalate
Ethyl oxamate
Ethyl oxanilate
Ethyl palmitate
Ethyl parasulphoamidobenzoate
Ethyl paratoluenesulphoamidoacetate
Ethyl paratoluenesulphonate
Ethyl phosphate
Ethyl phthalamate
Ethyl phthalaniliate
Ethyl phthalate
Ethyl phthalonate
Ethyl pimelate
Ethyl propionate
Ethyl salicylate
Ethyl sebacate
Ethyl stearate
Ethyl suberate
Ethyl trichloroisobutylacetylsalcylate
Ethyl trichloroisopropylacetylsalicylate
Ethylacetanilide
Ethylaceto-orthonitrochloroanilide
Ethylacetyltetrachloroanilide, asymmetrical
Ethylanilide
Ethylanilide phosphate
Ethyleneglycol monoethylether
Ethyleneglycol monoethylether formate
Ethyleneglycol monoethylether phthalate
Ethylglycol acetate
Ethylglycol phthalate
Ethylidene 3-carboxylate
Ethylmethylsulphone
Ethylnaphthyl ether
Ethylparatoluenesulphoethylanilide
Ethylpentachloroanilide
Ethylphenylurea
Ethylphthalyl ethylglycollate
Ethyltrichloroanilide
Ethylurea
Eugenol
Eugenol benzylether
Exalgin
Fenchyl tetrahydrofuorate
Formalerythritic ether
Formanilide
Formic acid phenolic esters
Formylamidophenyl amlycarbonate
Formylamidophenyl ethylcarbonate
Formylamidophenyl isobutylcarbonate
Formylamidophenyl methylcarbonate
Gliadin
Globulin
Glucose diacetate
Glucose dibutyrate
Glucose disterate
Glucose ditartrate
Glucose pentacetate
Glucose tetratartrate
Glucose triacetate
Glyacol
Glycerin acetate
Glycerin acetylsalicylate
Glycerin benzoate
Glycerin benzoic acid esters
Glycerin formate
Glycerin maleate
Glycerin monoformate
Glycerin nitrate
Glycerin oxalate
Glycerin paratoluenesulphonate
Glycerin phthalate
Glycerin succinate
Glycerin triacetate
Glyceryl bisbromoacetate
Glyceryl bisbromobutyrate
Glyceryl bisbromopropionate
Glyceryl lactate-triacetate
Glyceryl triacetate
Glyceryl tricarbonate
Glycerylparatoluenesulphethylanilide
Glycol benzoate
Glycol hydrocinnamate
Glycol hydrophthalate
Glycol monomethylphthalate
Glycol orthochlorobenzoate
Glycol paranitrobenzoate
Glycol phenylacetate
Glycol phenyldiethylacetate
Glycol phenyldiethylcarbonacetate
Glycol phenylethylacetate
Glycol phthalate
Glycol salicylate
Guaiacolphenyl ether
Guanidin
Guanidin nitrate
Heptyl 2-benzoylbenzoate
Hexachloroethane
Hexadecyl alcohol
Hexahydro-orthocresol
Hydropalat AB
Hydrophthalic acid dibutylester
Hydrophthalic acid diethylester
Hydroquinone
Hydroxyethyoxydiethyl monoacetate
Hydroxyethyoxydiethyl phthalate
Indene
Isoamyl benzoylglycollate
Isoamyl benzylbenzoate
Isoamyl resinate
Isoborneol butyrate
Isoborneol formate
Isoborneol oxalate
Isoborneol salicylate
Isobutyl benzoate
Isobutyl glycollate
Isobutyl phthalate
Isobutyl tartrate
Isopropyl resinate
Kronilyn
Kronite
Kronitex
Kronitone
Lactanilide
Lactylamidophenyl amylcarbonate
Lactylamidophenyl ethylcarbonate
Lactylamidophenyl isobutylcarbonate
Lactylyamidophenyl methylcarbonate
Lauryl adipate
Lauryl hexahydrophenylenediacetate
Lauryl hydrophthalate
Lauryl phthalate
Lauryl sebacate
Lauryl succinate
Levulose diacetate
Levulose dibutyrate
Levulose distearate
Levulose ditartrate
Levulose pentacetate
Levulose tetratartrate
Levulose triacetate
Linalyl acetate
Lindol
Linseed oil
Maisine
Mannol
Menthol ethoxyacetate

(To be continued)

Paint, Varnish, Lacquer Materials

Seasonal Improvements Reported in General Paint Market —Most Products in Better Demand—Argentine Casein Reduced—Rosin and Turpentine Steadier

Seasonal improvement in the general market for raw paint materials was more apparent last week, although sales were not quite as good as had been anticipated by leading producers. The weather continued to be unfavorable to outdoor painting in many sections of the country and this was an important factor in holding back the season. Trade was better than during the previous period, however, and further gains are looked for this week.

Most of the pigments were in better demand and titaniums and zinc oxides continued to be the pacemakers. Carbon black shipments were still heavy. Varnish gum markets were firm both here and abroad, although demand was somewhat slack. Dry colors were moving well. One weakness was in the market for Argentine casein, with importers quoting at a lower figure than during the previous week. Domestic grades were firm and unchanged. Rosin and turpentine prices moved within narrower limits, the tone of primary and local markets being steadier. Trade was somewhat more active. Receipts were lighter than expected.

Metallic Lead and Zinc

The interest in offerings of pig lead continued in good volume last week. Sales were not quite as high as the preceding period, but were satisfactory to prominent producers. The price was firm and unchanged. Zinc was moving in better volume during the week, with sales much better than in the preceding period. The price was firm.

Lead. — Prevailing spot prices at New York, East St. Louis and London for the period from April 13 to April 19, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0510@.0515	$0.0495	..* .. ..
Monday	.0510@.0515	.0495	.. .. ..
Tuesday	.0510@.0515	.0495	.. .. ..
Wedn'sd'y	.0515@.0515	.0495	.. .. ..
Thursday	.0510@.0515	.0495	.. .. ..
Friday	.0510@.0515	.0495	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from April 13 to April 19, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0515	$0.0575	..* .. ..
Monday	.0515	.0575	.. .. ..
Tuesday	.0515	.0575	.. .. ..
Wednesday	.0515	.0575	.. .. ..
Thursday	.0515	.0575	.. .. ..
Friday	.0515	.0575	..* .. ..

* London exchange closed.

Pigments

Litharge.—Demand good despite advance the previous week. Inquiries better.

Lithopone.—Much heavier call for stocks reported. Price firm.

Orange Mineral.—Good demand reported. Price steady.

Red Lead.—Market more active. Shipments heavier. Inquiries more numerous. Prices firm and unchanged.

Titanium Pigments.—The market continued to attract buying interests with shipments last week at a slightly higher level. Inquiries good. Prices steady and unchanged.

White Lead.—Demand more near normal. Contract shipments heavier. Price steady.

Zinc Oxides.—Call from consumers unabated. Prices firm.

Fillers and Extenders

Barytes.—Contract shipments good. Price firm.

Blanc Fixe.—Market still slightly tight. Demand at good level. Shipments normal. Prices firm.

China Clay.—Small broadening in demand reported. Inquiries more numerous. Price steady and unchanged.

Gypsum.—Improvements continued to be noticed. Shipments slightly heavier. Inquiries slacken. Price steady.

Mica. — Market reported routine. Sales volume at previous levels. Shipments unchanged. Price firm.

Rottenstone.—Firm and unchanged.

Woodflour.—Prices withdrawn. Stocks in this country low. About 950 bags arrived from Norway last week and 200 from Rotterdam. Sales curtailed.

Synthetic Resins

Ester Gum.—Slight slackening in contract negotiations continued. Shipments to consumers heavier. Price steady and unchanged.

Chlorinated Rubber.—No new developments reported. Market routine. Price steady.

Naval Stores

No material change in the character of business in naval stores was reported last week. An increase was noted in the volume of inquiries received, the change in the situation in this respect being attributed to the recent action of the government in withdrawing all offerings of rosin and turpentine from the market until further notice. Much of the buying, however, was still limited to small or moderate quantities, many consumers being disposed to adhere to a conservative course in making purchases pending further developments in the markets for other commodities as well as in the general business and financial situation. There was a fair movement on contracts and the tone of the markets here and in the South was apparently steadier than in the previous week. There were reports of occasional export inquiries from South America and the Far East but actual takings were apparently rather small and the outlook for export business with Europe was still regarded as very unfavorable in view of recent developments in the political situation abroad. Receipts in primary centers

Price Changes

Advanced

Film scrap, all grades, ½c. per lb.
Rosin, gum, high grades, 5c. to 30c. per 280 lbs.
Turpentine, gum, ¾c. per gal.

Reduced

Casein, Argentine, ¼c. per lb.
Rosin, gum, low grades, 10c. to 35c. per 280 lbs.
Shellac, T.N., ½c. per lb.
superfine, ½c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	126.2	126.2	131.7

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Are You Having Any Fun...or
is the oil situation taking the joy out of life?

We are not guessing when we say Paranol 1750 makes excellent varnishes with drying oils other than Chinawood.

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ALUMINUM STEARATE
MAGNESIUM STEARATE
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• ST. LOUIS
• KANSAS CITY
• DES MOINES
• LOS ANGELES
• SAN FRANCISCO
• NEW ORLEANS
FRANKS CHEMICAL PRODUCTS CO.
BLDG. 9, BUSH TERMINAL — BROOKLYN, N.Y.

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White & Co., Akron and Cleveland
Marshall Dill, Los Angeles
J. A. Kagan, Dierks Building, Kansas City, Mo.
Brice H. Boyet, Louisville, Ky.
B. & S. H. Thompson & Co., Regd. Montreal and Toronto
Garrigues, Stewart & Davies, Inc. 40 Rector Street, New York
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PERILLA OIL
LINSEED OIL
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OITICICA OIL
RAPESEED OIL
CASTOR OIL
GUM TURPENTINE
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Special Oils to Order
PACIFIC VEGETABLE OIL CORPORATION
Importers, Refiners, Manufacturers
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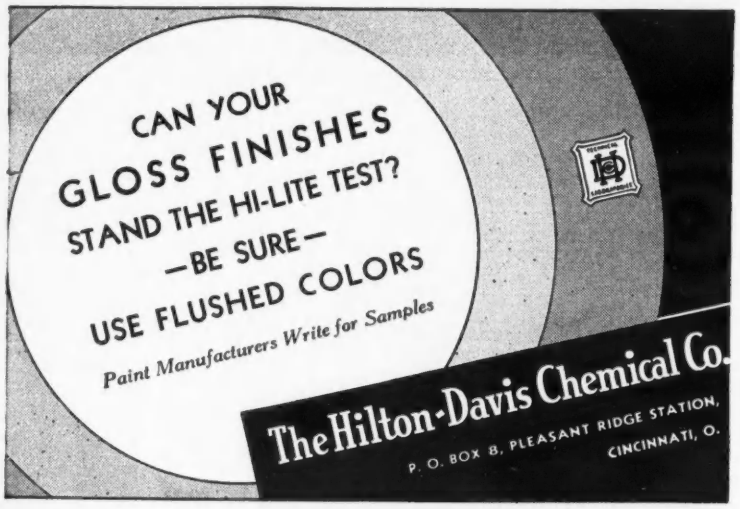

We Specialize in the Production of Specification Color Pigments
PURE RED OXIDES
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CHROME OXIDE GREENS
CHROME TETRAHYDROXIDE GREENS
METALLIC BROWNS
MINERAL REDS
RED OXIDES (Spanish Types)
YELLOW OXIDES
MINERAL BLACKS
CEMENT COLORS
GEO. B. SMITH COLORS
Manufacturers
EVANSTON - - - - ILLINOIS
Large Stocks Prompt Deliveries

were smaller than some had expected, this being attributed to recent abnormally low temperatures in various parts of the South. Exports from Georgia during February were reported as 16,241 barrels of gum rosin and 531 barrels of wood; turpentine, 106,375 gallons of gum and 5,600 gallons wood; pine oil, 7,788 gallons; tar and pitch of wood, 181,704 gallons; other gums and resins, 15,470 pounds.

CCC Loan Holdings

The following table shows the stocks of rosin and turpentine held April 12 by the CCC under loans on the 1938 and 1939 crops:—

	Rosin		*Turpentine,
	1938.	1939.	1939.
Savannah, bbls..	89,371	50,235	.....
drums	11	2,025	.....
Jack'ville, bbls..	171,654	112,776	1,159,569
drums	.....	5,653	.....
Brunswick, bbls.	89,151	85,324	.....
drums	190	2,321	.....
Mobile, bbls.....	8,456	7,067	.....
drums	761	3,019	.....
Pensacola, bbls..	25,495	17,066	.....
drums	72	2,962	.....
Valdosta, bbls...	119,970	132,706	1,250,900
drums	317	28,281	.....
Wiggins, bbls...	.....	282	.....
drums	.....	5,246	.....
Estill, bbls.....	.....	696	.....
drums	.....	5,209	.....
Helena, bbls.....	.....	53,509	867,695
drums	.....	48,051	.....

* Gallons.

Turpentine.—Changes in local turpentine prices were narrower last week in company with the primary market where the tone was steadier. In local quarters a fair movement of moderate quantities was reported.

SAVANNAH, April 19.—Following is a record of the turpentine market for the week:—

	Cents (gal.)	Barrels Sales.	Receipts.	Shipments.	On hand
*Saturday ..	...	...	...	...	.....
Monday	28½	96	153	225	7,462
Tuesday	28¾	67	114	380	7,266
Wednesday...	28¾	75	173	42	7,397
Thursday ...	28¾	51	185	6	7,576
Friday	29	42	113	210	7,479

* No trading.

JACKSONVILLE, April 17.—Turpentine receipts, 332 barrels; shipments, 3,892; stock, 32,563.

PENSACOLA, April 17.—Turpentine receipts for week, 127 barrels; shipments, 655; stock, 9,999.

Chicago—April 19

Turpentine buying confined to small lots. Five-drum lots, 36c. per gallon; five wood barrels, 41c.; single drums, 39c.; single barrels, 44c.

LONDON, April 19.—Turpentine 54s. 9d. per 112 pounds. Stocks of American as follows:—

	April 19.	Previous week.	Last year.
Barrels	14,521	15,267	20,990

Rosin.—No broadening of trade was noticeable in the local market, but an increase was reported in some instances in the request for small or moderate quantities for prompt shipment. The tone here was steadier.

SAVANNAH, April 19.—Following is a record of the rosin market for the week:—

	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
	Price per unit—Low of range quoted					
B	...	$4.20	$4.20	$4.20	$4.20	$4.00
D	...	4.35	4.35	4.35	4.35	4.10
E	...	4.65	4.65	4.65	4.65	4.50
F	...	4.95	4.90	4.90	4.90	4.60
G	...	4.95	4.95	4.95	4.95	4.70
H	...	4.95	5.00	5.00	5.00	4.80
I	...	4.95	5.00	5.00	5.00	4.90
K	...	4.97½	5.00	5.00	5.05	5.05
M	...	5.00	5.00	5.00	5.15	5.25
N	...	5.20	5.20	5.20	5.40	5.45
WG ..	...	5.40	5.50	5.50	5.65	5.70
WW ..	...	6.10	6.20	6.20	6.10	6.10
X	...	6.10	6.20	6.20	6.10	6.10
	Barrels					
Sales...	...	...	659	...	87	387
Receipts.	...	784	438	1,380	293	837
Shipments	...	395	687	...	342	592
Stocks...	...	...	...	...	...	165,600

* No trading.

JACKSONVILLE, April 17.—Rosin receipts, 1,646 barrels; shipments, 4,463; stock, 310,418.

PENSACOLA, April 17.—Rosin receipts, 469 barrels; shipments, 750; stock, 59,588.

Chicago—April 19

Rosin is attracting considerable buying attention. B grade, $7.20 per lot of 280 pounds; G grade, $7.95; M grade, $8.00; W.W. grade, $9.20.

LONDON, April 19.—Rosin, W.W., 35s. per cwt.

Pine Oil.—No broadening of trade but somewhat better request for moderate lots. Market steady.

Pitch.—Quotations maintained. Tone firm. Fair demand for small quantities.

Rosin Oil.—Local spot prices generally held at previous levels. Business fair.

Tar.—Trade somewhat more active. Market remained steady.

Varnish Gums

Copals.—Markets abroad were reported firm. Domestic trade was fair last week. Prices unchanged and steady.

Dammars.—Activity at same level as previous week. Prices firm and unchanged.

Elemi. — Trade routine. Price steady.

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1¼ in., 1½ in.
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KENTUCKY COLOR & CHEMICAL CO.
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General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents In Principal Cities
Distillers of Coal Tar Products

Dry Colors

Bone Black.—Material still moving well into hands of consumers. Price firm and unchanged.

Carbon Black.—Sales remained at good levels. Rubber trade heavy buyers. Paint users showed more interest in offerings. Price firm.

Chrome Green. — Contract shipments heavier. Spot sales off. Price firm.

Chrome Yellow. — Better demand than previous week. Price steady.

Iron Blues.—No changes in price. Shipments normal. Inquiries more numerous.

Lake C Toner.—Recent reduction prompted better interest. Price firm.

Mercuric Oxides.—Broadening of demand reported. Market still fairly quiet, however. All prices firm.

Ocher. — Contract shipments heavier. Inquiries up. Price firm.

Toluidine Toner.—Deliveries normal. Price steady.

Ultramarine Blue.—Firm and unchanged. Contract shipments heavier.

Vermilion.—Market quiet. Broad price range still in force.

Lacquer Materials

Business remained on an even keel in the market for lacquer material and solvents last week. While consumers did not broaden commitments to any extent, the call was steady for most materials, and volume made a favorable comparison with the like period a year ago. Acetone, butyls and film scrap enjoyed a good export inquiry, but shipments were limited. The only change was recorded in various grades of film scrap, which were uniformly higher. Other chemicals were firm.

Acetone.—Shipments steady. Good export inquiry. Prices hold firm.

Alcohol, Butyl.—Demand moderately active. No change in prices.

Butyl Acetate.—Satisfactory replacement buying. Prices ruled firm.

Cellulose Acetate.—Interest remained at fairly steady levels. No change recorded in the prices.

Diamyl Phthalate.—Market position strong. Business moderate.

Dibutyl Phthalate.—Buying routine. Prices well sustained.

Dichlorethyl Ether.—Firm price tone, with shipments moderately active.

Ethyl Acetate.—Consumers made fair size replacements. Prices the same.

Film Scrap.—All grades advanced ½c., making water white 15c. to 16c. per pound, with usual differentials for other colors. Demand good, market position strong. Good export inquiry.

Isopropyl Acetate.—Transactions remain at satisfactory levels. Prices without change.

Tricresyl Phosphate.—Market firm, demand steady from major consumers.

Shellac

The shellac market was reported to be generally on the quiet side last week. Lack of sustaining request lead to some unsettlement in spot quotations on T. N. and superfine. The former was minimum at 14c. to 14½c. per pound; the latter, 15c. to 15½c. No change was made in prices on bone-dry. Market undertones at home and abroad showed easier trend. Buyers were reserved on new business. A fair situation prevailed in deliveries against contracts.

Glues and Binders

Casein.—Demand at level of preceding week. Domestic price unchanged, although one prominent factor reported quotation was about ½c. per pound firmer. Argentine material was quoted at 9¾c. per pound, a decline of ¼c. Sales were reported made at a lower figure.

Glues.—Sales volume heavier. Inquiries during period at higher level than previous week. Hide and bone glue prices both firm and unchanged.

Interchemical Export Division To Be Headed by Richards

The Interchemical Corporation, this city, has formed an export division to unify and expand foreign sales efforts on its protective and decorative coatings made by its various units and affiliated companies. The new division will be headed by C. A. Richards, with Margaret C. Ott as assistant director.

Trade Briefs

California Pumice Company has been organized in Los Angeles, with a capital stock of $100,000.

Joseph F. McDonald, manager of the Chicago office of the United States Bronze Powder Works, this city, became the father of a boy April 4.

Anchor Hocking Glass Corporation, Lancaster, Ohio, has called its outstanding $6.50 preferred stock for redemption April 30 at $110 and accrued dividends at the New York Trust Company, this city.

Oliver S. Orrick, of the General Paint Corporation, San Francisco, underwent an operation for appendicitis in Capetown, Union of South Africa, several weeks ago. At latest reports he was making a satisfactory recovery.

Hardell Heads Revived Washington Paint Club

The Washington (D. C.) Paint, Varnish and Lacquer Association was reorganized April 15, at a meeting in the national headquarters, with the following officers: — President, John W. Hardell, of the Hugh Reilly Company; vice-president, W. R. Winslow, of the W. R. Winslow Company; treasurer, A. Lee Amoss, of the Pittsburgh Plate Glass Company; secretary, Edward R. Drake, of the National Paint, Varnish and Lacquer Association.

Resinous Products Gets Patent Rights for Resins

The Resinous Products & Chemical Company, Philadelphia, Pa., has acquired the rights to the United States patents of the Department of Science and Industrial Research, London, England, on the use of synthetic resins as acid and base exchange compounds.

This entirely new field for the use of synthetic resins resulted from a fundamental study begun many years ago by the department on water softening processes. The discovery was made, not merely that certain types of synthetic resins function as powerful base exchange media in a manner similar to the natural and artificial zeolites, but that in many cases the synthetic resins were more powerful and also could be adapted to a much wider range of conditions, both in anion and cation exchange. Also, their physical properties and chemical resistance are said to offer certain advantages. It is perhaps in these differences from the zeolites, rather than in any similarity, that their commercial possibilities lie, the company reports.

Among the various uses which have been suggested for these resin exchangers are the purification of water, either to give substantially pure water or to remove certain objectionable constituents, such as calcium ions; use in textile dyeing and finishing; the purification of water for high pressure boilers; the removal of traces of metal, etc.

Pioneer Asphalt Expands Technical Advisory Service

The Pioneer Asphalt Company has appointed George Freese as full time technical consultant, with headquarters at its new Chicago plant. Mr. Freese, previously at the company's Lawrenceville plant in the capacity of chief chemist, has been with the organization for twenty years and has an unusual knowledge of all phases of asphalt and asphalt-using industries. At his disposal is the new laboratory at Chicago.

N.P.V.L.A. Trade Sales Steering Committee Meets

OPD Washington Bureau
April 17, 1940

The trade sales steering committee of the National Paint, Varnish and Lacquer Association, held the first official committee meeting that has been held in the new national headquarters building at 1500 Rhode Island avenue N. W., April 16. Ernest T. Trigg, president, and members of the association staff addressed the meeting.

Agenda included:—Free deals, premiums, cooperative advertising, installment selling, formula labeling, dealer-clerk education.

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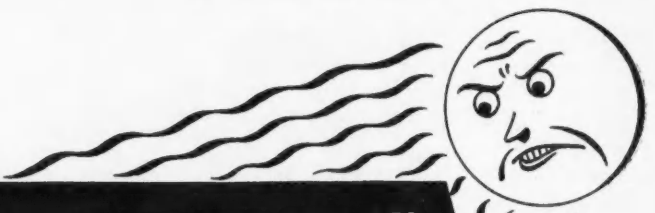
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Processing Tung Oil

By Dr. Henry G. Knight

Chief, Bureau of Agricultural Chemistry and Engineering, United States Department of Agriculture

Address delivered April 3, 1940, to the American Tung Oil Association at its annual meeting in Tallahassee, Fla.

Continued from April 15 issue

Solvent Extraction Study

The pilot plant will enable us to do another thing. Some scientists believe that, if we could find the proper solvent, the oil could be extracted without having to press the kernels. If this could be accomplished, it might be a great help to the industry. It's worth investigating, and our scientists are going to try it out in the new pilot plant. They are already giving attention to the preparation of the kernels before the solvent is applied, as well as investigating the various grinding and flaking procedures best adapted to the solvent extraction method of obtaining the oil.

Another problem that our chemists are studying is the apparent loss of oil during mill operations. This apparent loss is based on the quantity of oil that is expressed from a known weight of kernels and the amount left as indicated by an analysis of the presscake. This is an item of considerable importance, particularly in large operations, since the data obtained at some mills indicate that oil losses in some instances amount to as much as 3 percent of the weight of the air-dried fruit. Some chemists believe this unaccounted-for oil is left in the presscake and has undergone chemical changes so that it is not extracted by the solvent. Others believe that the loss is due to the fine particles of the kernels that are carried away by the blowers during the hulling operation. Nobody knows exactly just what causes this loss, but we are going to see if we can find out. This research will be carried on in cooperation with commercial mills, and remedies will be devised to recover all or as much as possible of this oil if we can find out the reason for its disappearance.

If, for example, our research shows that the oil is actually left in the presscake, but has been chemically changed—polymerized is the technical term for this chemical change—by the heat of the expeller, then we can attack the problem from that angle. If our investigations show that some of the oil is being polymerized by the expeller, we'll probably try operating the expeller under milder conditions, and leave a little more oil in the cake and then see if we can obtain it by the use of a solvent. If we find that this loss of oil is due to the loss of kernels during the hulling operation, we'll attack the problem from that angle. In other words, we'll do everything we can to ferret out the reason for this apparent loss of oil, and then try if possible to devise means to recover it.

Possible Uses of Hulls

The age-old way of harvesting tungnuts is to let the fruits fall to the ground and then collect them after they have dried sufficiently to keep without heating and loss when stored. This results in the collection of large quantities of the hulls which surround the nuts. Are these fit for fertilizer? Can they be used in industry? Do they have possibilities as a source of tannic acid? Or how should they be disposed of to the best advantage? A profitable outlet for these hulls would help the entire industry. Our chemists will look into the possibilities in this field.

They also plan investigations to try to find out if the fruits should be allowed to remain on the ground after falling or if it would be more profitable to dry them in some sort of a mechanical dryer. We don't know the answer to this problem, but we do know that it is something that should be investigated. The proper solution to this problem might save considerable time now used in hauling the unnecessary hulls, and it would undoubtedly help to reduce the losses caused by storing improperly dried kernels in the hulls.

Finally, there is the problem of what to do with the cake after the oil has been extracted from it. Due to the strong purgative properties of the tungmeal or cake it is not suitable for feeding stock in its natural form. It undoubtedly has some value as a fertilizer, but just how much we don't know. It appears also to have possibilities for making lampblack and other things, but it will require research to determine how it can be used to the best advantage. A profitable outlet for this by-product would help the tung oil industry just as the outlet for cottonseed meal has helped the cottonseed oil industry.

I could say a great deal more about the tung oil development in this country. But I have talked long enough. We are intensely interested in this new and rapidly expanding Southern enterprise, and expect to do all we can to help make it succeed. The 3,000,000 pounds of tung oil produced in this country in 1938 was a good showing for the short time we have been engaged in this new undertaking, but 3,000,000 pounds is not a drop in the bucket compared to the more than 100,000,000 pounds we import each year. So there is nothing to fear from the standpoint of overproduction; certainly not in the very near future.

Buffalo Paint Club Wants Training for Paint Clerks

Buffalo, Apr. 18, 1940

A special committee of the Buffalo Paint, Varnish & Lacquer Association is conferring with State and local vocational directors in an effort to formulate a program for education of clerks in dealers' stores, with respect to paint products and their use. Members of the committee point out that the Federal government has allotted funds for instruction in occupational subjects and that outstanding work has been done in this direction in Rochester and Syracuse.

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Oils, Fats, and Waxes

Cottonseed Oil and Lard Again Move Upward—Further Advance in Tallow—Sperm Oil Higher—Coconut Up—Chinawood Easier — French Seize Carnauba Wax Cargo

Business in miscellaneous oils, fats and greases was quieter last week despite a further advance in cottonseed oil and lard futures as well as hogs. In scattered instances a fairly active inquiry was noted but as a rule purchases were along hand-to-mouth lines, the movement of small lots apparently being lighter than in the previous week. Offerings were generally light, however, and the prevailing tone was steady or firm. The trend of quotations was again upward.

A price crisis arose in the carnauba wax market when a French battleship seized the Norwegian steamer Bajamar out of Brazil for New York with a large cargo of badly needed wax. The ship was taken into Martinique under "protective custody."

In a survey of the oils and fats situation, the Bureau of Agricultural Economics at Washington stated that if the war in Europe is prolonged through the next crop-marketing season, ocean shipping costs probably will continue high with the result that the demand for domestic fats and oils will be supported to some extent at least by the continuation of higher prices for imported oils and oil-bearing materials. American soybeans, moreover, may continue to hold their present competitive position in European markets. On the other hand, according to the bureau, supplies of edible oils and oil-bearing materials in other surplus producing countries probably will continue large, and, as a result of the blockade, producers in foreign countries will be forced to seek new markets for materials formerly exported to Germany.

Chinawood Oil

The local market for chinawood oil continued quiet last week and the tone remained easy. Further shading of quotations was noted, though the previous basis was maintained by leading sellers. There were reports of offerings from importers and resellers, however, at concessions of ¼c. to ½c. as compared with the previous week, prompt oil being available at close to the prices quoted for futures. Few transactions were reported during the week although inquiries were not lacking. Los Angeles reported the arrival of 63,000 pounds from Hongkong.

Markets in China

Tung oil trading in China was more active throughout March, about 373 short tons changing hands, according to a radiogram received in the Department of Commerce at Washington from the American Consulate General at Hankow.

There were no arrivals at Hankow from upcountry, but prices were influenced by export activity and increased from 180 Chinese dollars per picul of 133⅓ pounds (U.S. $0.091 per pound) on March 1 to 270 Chinese dollars per picul (U.S. $0.121 per pound) at the close of the month.

Exports were 1,269 short tons, of which 297 short tons were purchased for the account of the Japanese army and 860 tons for a British concern. At the end of March stocks on hand at Hankow were approximately 3,567 short tons, which included about 1,400 short tons held by Japanese firms not available for resale.

The market at Hongkong was quiet, according to a radiogram from the American Consulate General. At the end of March the quotation at Hongkong was 129 Hongkong dollars per picul of 133⅓ pounds in bulk (U. S. $0.212 per pound). Stocks at end of March held by independent dealers were estimated at about 600 tons.

SAN FRANCISCO, April 17.—Fair volume of business in chinawood oil during the week at 23c. per pound in tankcars, f.o.b. Pacific Coast for early shipment from Orient. Easier today with offerings now noted at 22½c. No buyers.

Vegetable Oils

Coconut.—Crude sales reported at 3⅜c., tanks. Refined more active and firmer at 7⅜c., tanks.

Corn.—Firmer with competing product. Prices up ¼c. to ⅜c. Demand fairly active. Crude offerings light.

Price Changes

Advanced

Carnauba wax, No. 3 chalky, 7c. per lb.
No. 3 North Country, 6c. per lb.
No. 1 yellow, 7c. per lb.
No. 2 yellow, 7c. per lb.
refined, 5c. per lb.
Coconut oil, ⅛c. to ⅜c. per lb.
Corn oil, ⅛c. per lb.
Cottonseed oil, crude, ⅛c. per lb.
Grease, ⅛c. per lb.
Lard, 25c. to 40c. per 100 lbs.
Olive oil, denatured, 1c. per gal.
Olive oil foots, ⅛c. per lb.
Peanut oil, crude, ⅛c. per lb.
Soybean oil, ¼c. per lb.
Sperm oil, 2-10c. per lb.
Tallow, ¼c. per lb.

Reduced

Castor oil fatty acid, ½c. per lb.
Chinawood oil, ¼c. per lb.
Linseed cake, $1 per ton.
Linseed meal, 50c. per ton.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
103.6	**102.8**	**106.3**	**98.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Cottonseed. — Edible steady. Increased demand for moderate lots.

Oiticica.—Prices generally steady. Offerings light. Fair request.

Olive.—Tone firmer. Denatured advanced 1c. by some sellers. Foots up ⅛c. Trade fair. Fairly active.

Palm.—Somewhat better inquiry for moderate lots of Niger. Quotations largely nominal.

Peanut. — Firmer with competing product. Offerings continue light. Fair inquiry.

Perilla.—Offerings light and tone steady. Inquiry slow.

Rapeseed. — Quotations maintained. Trade quiet. Supplies generally light.

Sesame.—Refined scarce and nominal. Crude output checked by high seed costs.

Soybean.—Firmer with raw material. Inquiry more active. Quotations advanced ¼c. by some sellers.

Teaseed.—Offerings light, spot and shipment. Quotations nominal.

Markets at Other Centers

Chicago, April 19.—Principal grades of vegetable oils fairly active. Mostly unchanged.

COCONUT.—Crude, 2⅞c. to 3c. per pound. Edible, 8¼c. to 8½c. per pound, drums, car lots; 8¾c. to 9c., drums, less than car lots.

CORN.—Crude, low acid, 6¼c. to 6¼c. per pound, nominal. Refined, edible oil, 8¼c. to 8½c. per pound, drums, car lots; and 8¾c. to 9c., drums, less than car lots.

PEANUT. — Crude, South, 6¼c. per pound.

SOYBEAN.—Crude, 5½c. to 5⅝c. per pound, April-forward.

The market for soybeans on the Chicago Board of Trade was fairly active. Prices moved in company with grain. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Apr. 19.	Closing Apr. 12.
Cash No. 2.	$1.09	$1.07½	$1.09	....
May	1.11¼	1.07⅝	1.08⅝	$1.07⅛
July	1.09¼	1.05⅝	1.07¾	1.05⅝

San Francisco, April 17.—Buying of vegetable oils is close and of a piecemeal nature, with conditions in the main showing a steady tendency.

COCONUT—Market steady to stronger. Sellers' lowest indications this morning 3 cents per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Best bids noted basis 2⅞c.

COPRA. — Trade here rather light. Quoted 1.75c. to 1.85c. per pound, c.i.f. Pacific Coast ports. Shortage of steamer space is becoming a serious problem.

COTTONSEED. — Domestic bleachable cottonseed oil quoted at 7⅛c. per pound in tankcars, f.o.b. mill, Northern California.

RAPESEED.—Refined, denatured oil quoted at 8½c. per pound in tankcars, f.o.b. San Francisco out of spot stocks.

TEASEED.—New crop oil quoted nominally 12½c. per pound in drums; 11½c. per pound in tankcars, f.o.b. San Francisco, for moderate acid specification.

WALNUT.—Crude California oil 7⅞c. per pound in tankcars, f.o.b. Pacific Coast. Refined 8⅞c.

SESAME.—Nominal. Seed prices reported still too high for domestic mills to work. Foreign oil not quoted.

Linseed Oil

Frequent fluctuations in flaxseed prices in domestic and foreign markets. Linseed oil steady. Cake and meal lower.

Flaxseed—DULUTH, April 19.—Sharp but narrow demand which raised flax premiums in this market recently to 13c. a bushel over Minneapolis May were not sustained and the market weakened to 7c. a bushel over for flax on track and 4c. over to arrive. Supplies increased 10,000 bushels this week.

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Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.09	$2.01	$1.98½
Monday	2.06¾	2.01	1.98½
Tuesday	2.09½	2.02	1.99
Wednesday	2.10	2.03	1.99
Thursday	2.12	2.05	1.99¾
Friday	211	2.05	1.99¾

Crop movement in bushels follows:—

	Receipts		Shipments	
	1940.	1939.	1940.	1939.
This week	15,150	.....	.....	12,300
Since Aug. 1	4,001,299	1,587,252	1,835,800	1,589,951

MINNEAPOLIS, April 19.—Competition for light cash flax arrivals between two crushers resulted in a snappy advance in futures last week that drove most of the buyers out of the market. After the competitive interests reached an understanding premiums started to recede again.

The up movement in comparative values loosened up considerable flax in the country, and arrivals were liberal for several days, but now are moderate again. Demand is good from day to day, as there is no large reserve in local storage and interior mills are still buying for their plants.

Seeding operations are about two to three weeks behind schedule, but farmers are equipping their tractors with headlights and will work on a day and night schedule to catch up. A few warm, dry days will find them busier than beavers, and a valiant attempt will be made to put in as large an acreage as was planned on.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.09	$1.99	$1.95½
Monday	2.06¾	1.99¾	1.96½
Tuesday	2.08½	2.01½	1.98½
Wednesday	2.10	2.02	1.97
Thursday	2.11	2.04	1.98¾
Friday	210	2.03	1.97

Crop movement in bushels follows:—

	Receipts		Shipments	
	1940.	1939.	1940	1939.
This week	61,600	4,800	19,600	15,600
Since Sept. 1	4,133,000	1,608,740	1,933,100	593,700

WINNIPEG, April 19.—The market for flaxseed futures was irregular with grain. The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.34½	$2.35½	$2.36⅜
Monday	2.31½	2.32½	2.34⅝
Tuesday	2.32⅛	2.33	2.34
Wednesday	2.33½	2.34	2.35
Friday	2.34⅛	2.34⅞	2.37
Friday	2.33	2.33¾	2.35

BUENOS AIRES, April 19.—Opening prices per bushel on May contracts were:—

	Last week.	Last year.
Saturday	$1.45⅞	$1.12¼
Monday	1.45⅞	1.12¼
Tuesday	1.42⅝	1.13¼
Wednesday	1.43⅜	1.12⅝
Thursday	1.44¼	1.12⅝
Friday	1.44¼	1.12⅝

Exports

To—	Bushels		
	Last week.	Previous week.	Last year.
United States	394,000	677,000	319,000
United Kingdom	106,000	91,000	.....
Continent	677,000	591,000	579,000
Orders	.....	.....	.....
Others	.....	.....	264,000
Totals	1,177,000	1,359,000	1,162,000

Since January 1

To—	Bushels	
	This year.	Last year.
United States	6,966,000	6,810,000
United Kingdom	4,927,000	532,000
Continent	8,523,000	10,562,000
Orders	598,000	5,512,000
Others	146,000	1,464,000
Totals	21,160,000	24,880,000

Visible Supply

	Bushels.
Last week	6,693,000
Previous week	6,693,000
Last year	7,874,000

HULL, April 19.—La Plata flaxseed quoted at £17 3/16 per long ton; Bombay £20¼.

Linseed Oil.—A steady tone prevailed in the local market for linseed oil. Flaxseed showed irregularity in foreign and domestic markets, fluctuations being rather frequent, but oil prices were generally held by crushers at the levels prevailing in the previous week. There was further expansion in the movement to consumers and dealers on contracts though withdrawals were regarded by some as rather disappointing for this time of the year, this condition being attributed to unfavorable weather in various parts of the country for painting operations. New business continued good.

Crushers were less in evidence in domestic markets for cash flaxseed and the premium over futures showed a tendency to narrow, although receipts were light after showing a recent increase as a result of the high cash premiums prevailing. Operations at some linseed oil mills were reported as larger than recently. Production of oil during the first quarter of the current year, according to official statistics, was 150,835,150 pounds, against 139,209,234 pounds in the same time last year. Stocks of oils at the mills at the close of March were 135,868,028 pounds, against 125,254,402 pounds a year ago.

MINNEAPOLIS, April 19.—Demand for linseed oil is a little better than it has been, but seasonally is below par on account of the cold, wet weather prevailing over a wide area. Buyers are taking a few more cooperage car lots in anticipation of a sudden change in conditions and there is gradually increasing trade in warehouse lots.

Shipping instructions are improving again, and so far for the current week show gain in volume. Mill operations are proceeding at about 70 percent of capacity, and the current output is being moved promptly.

Quotations on carload lots, f.o.b. Minneapolis, tankcar lots, 10.2c. per pound; cooperage car lots, 10.8c. per pound; warehouse lots, 11.2c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week	3,060,000	2,460,000
Since Sept. 1	91,600,000	49,527,332

SAN FRANCISCO, April 17.—Linseed oil quiet. Deliveries on previous contracts good. Quoted:—Tankcars, 10c. per pound; drum lots, ex-mill, 10.6c.; drum lots, ex-warehouse, 11c.

CHICAGO, April 19.—Inquiry for linseed oil is better than in some time. Tankcar, 10.4c. per pound; car lots, 11c.; less than car lots, 11.4c.

LONDON, April 19.—Linseed oil, 42s. 6d. per cwt.

Cake and Meal.—Quotations were reduced $1 per ton on cake and 50c. on meal. The latter product met with a somewhat better demand. Cake quiet.

MINNEAPOLIS, April 19.—The meal market is in a quiet mood with interior distributors not inclined to be caught with surplus supplies in case of a sudden change in the weather. So far frosty conditions have held pasturage in abeyance and there has been a rather steady call from feeders for currently needed supplies. This demand just about cared for the current output.

Quotations on carload lots f.o.b. Minneapolis, 100 pound sacks, $30 to $30.50 per ton.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week	3,140,000	1,840,000
Since Sept. 1	127,370,000	67,346,650

CHICAGO, April 19.—Buying fair in linseed meal. Round lots, $31 per ton, largely nominal; car lots, $31 to $31.50; less than car lots, $33 to $33.50.

Cottonseed Oil

The trend of local cottonseed oil prices was again upward. Southern markets for cottonseed products were firm.

Cottonseed Oil.—Trading in refined cottonseed oil futures was on a fair scale in the local market last week. The prevailing tone was firm and the trend of prices was upward at times, although fluctuations were not very wide. Hogs and lard displayed strength, however, and offerings of cottonseed oil contracts were rather light despite the existence of bearish sentiment in some quarters as a result of the large supplies of hogs and lard and the absence of any marked improvement in demand for cash refined cottonseed oil.

Firmness in cotton, apparently traceable to unfavorable weather and crop news from the cottonbelt, where temperatures in some sections were below freezing, was not without some effect on sentiment in cottonseed oil trade circles. Commission houses bought the Summer and Fall months. Trade interests made purchases and shorts covered.

On advances recent buyers in some cases took profits. There was considerable switching from May to later months at differences ranging from 9 to 22 points, according to position. April 27 will be the first day for tenders on May contracts. Southern markets for crude cottonseed oil were firm and ⅛c. to ¼c. higher.

Receipts of hogs in the principal Western centers for four days of the week aggregated 237,800 head, against 177,900 head last year. Stocks of lard in Chicago increased 2,094,975 pounds during the first half of April, making a total of 171,941,667 pounds, against 72,064,791 pounds last year. A report from Dallas stated that thousands of acres of young cotton had been killed or badly damaged by freezing weather.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Cottonseed Crushings Smaller

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out and held, from August 1 to March 31, 1940, and 1939, amounted, according to the Bureau of Census, to the following quantities:—

Cottonseed

Received, Crushed, and Held

	Tons					
	Received at mills* Aug. 1 to Mar. 31,		Crushed Aug. 1 to Mar. 31,		On hand at mills Mar. 31,	
	1940.	1939.	1940.	1939.	1940.	1939
United States	3,973,035	4,026,653	3,777,306	3,840,523	316,355	518,740
Alabama	197,006	283,892	198,342	253,556	9,579	42,297
Arizona	88,556	81,191	86,199	68,027	4,981	15,655
Arkansas	450,097	449,979	405,005	412,516	49,147	57,685
California	164,181	157,059	134,487	149,021	34,567	29,752
Georgia	369,902	318,695	351,895	288,404	32,198	45,585
Louisiana	211,611	175,199	209,696	177,851	2,462	3,230
Mississippi	610,656	637,626	570,258	547,134	62,191	132,290
North Carolina	164,324	140,298	151,804	140,456	13,769	7,637
Oklahoma	153,146	177,898	153,647	180,725	296	843
South Carolina	227,118	166,888	220,626	153,240	7,392	15,200
Tennessee	334,041	351,977	286,036	314,588	50,941	49,999
Texas	894,152	986,889	914,764	1,065,751	34,456	103,211
All other states	108,245	99,062	94,547	89,254	14,376	15,356

* Includes none and 4,508 tons seed destroyed at mills, but not 120,626 and 337,118 on hand August 1, nor 28,672 and 59,521 reshipped for 1940 and 1939, respectively.

Cottonseed Products

Manufactured, Shipped Out, and Held

	On hand Aug. 1.	Produced Aug. 1 to Mar. 31.	Shipped out Aug. 1 to Mar. 31.	On hand March 31.
Crude oil, pounds—				
1939-1940	*72,066,763	1,192,908,740	1,176,972,828	*186,124,479
1938-1939	33,833,717	1,198,700,924	1,090,932,523	171,279,046
Refined oil, pounds—				
1939-1940	†560,035,317	‡1,012,446,981	.....	†643,947,051
1938-1939	487,927,952	995,346,567	.....	642,348,766
Cake and meal, tons—				
1939-1940	119,718	1,705,095	1,649,044	175,769
1938-1939	214,611	1,729,897	1,749,416	195,092
Hulls, tons—				
1939-1940	77,087	953,688	949,230	81,545
1938-1939	133,133	996,392	1,004,310	125,235
Linters, running bales—				
1939-1940	479,316	963,661	1,126,194	316,783
1938-39	457,464	951,435	827,295	581,604
Hull fiber, 500-pound bales—				
1939-1940	24,931	25,836	44,590	6,177
1938-1939	30,535	28,577	30,962	28,149
Grabbots, motes, etc., 500-lb. bales—				
1939-1940	30,642	42,643	50,189	23,096
1938-1939	36,592	48,139	43,632	41,099

* Includes 5,986,685 and 87,201,628 pounds held by refining and manufacturing establishments and 13,594,470 and 30,503,330 pounds in transit to refiners and consumers August 1, 1939, and March 31, 1940, respectively.

† Includes 13,471,938 and 10,911,435 pounds held by refiners, brokers, agents and warehousemen at places other than refineries and manufacturing establishments and 3,292,550 and 3,483,420 pounds in transit to manufacturers of shortening, oleomargarine, soap, etc., August 1, 1939, and March 31, 1940, respectively.

‡ Produced from 1,072,369,568 pounds of crude oil.

Exports and Imports for Seven Months Ended Feb. 29

	1940.	1939.
Exports—		
Oil, crude, pounds	4,459,287	102,750
Oil, refined, pounds	8,692,288	2,193,521
Cake and meal, tons of 2,000 pounds	6,431	13,972
Linters, running bales	211,826	135,257
Imports—		
Oil, crude*, pounds	.....	714,800
Oil, refined*, pounds	9,723,721	46,063,762
Cake and meal, tons of 2,000 pounds	4,174	3,267
Linters, bales of 500 pounds	40,605	27,328

* Quantities for March not included above are 110,113 pounds refined, "entered for consumption." No oil was "withdrawn from warehouse for consumption," nor any "entered for warehouse."

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from April 13 to April 19, inclusive, comprised 1,014 contracts, a total of 60,840,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
May	7.07	6.80	6.93 sale
July	7.18	6.88	7.02 sale
September	7.24	6.93	7.09@7.10
October	7.25	6.92	7.11 sale
December	7.28	7.19	7.13@7.16

Crude, Southeast, .06¼ Nom.

Chicago, April 19.—Cottonseed oil fairly active. Refined, edible oil is 9c. to 9¼c. per pound, barrels, car lots; and 9½c. to 10c., barrels, less than car lots.

Hull, April 19.—Cottonseed oil, refined, 35s. 7½d. per 12 pounds; crude, Egyptian, 31s. 1½d.

Cake and Meal.—Offerings in Southern markets were light and the prevailing tone was firm. Trade in meal reported fairly active.

Markets at Other Centers

Atlanta, April 17.—Cottonseed oil meal, 8 percent, $31.50 to $32 per ton. Prime crude oil, 6c. per pound. Cotton land preparation is about two weeks late.

Memphis, Nov. 19.—Crude cottonseed oil firm. Sales this section today at 6⅛c. Quite a few tanks sold in this territory earlier in the week at 6c., Valley basis. Meal now at the season's high point. Today 41 percent meal quoed at $30 per ton, April shipment, Memphis basis. Bulk cake $28.50 per ton, April-May shipment, Valley basis. Bulk cottonseed hulls $9 per ton, mill points. Weather continues inclement and crop preparations somewhat delayed. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	April 11.	April 18.
May	$29.35@29.50	$29.95@——
July	27.70@27.80	28.40@——
September	25.15@25.00	26.65@27.00
October	23.90@24.40	25.40@25.80
December	23.80@24.40	25.30@25.50

Fatty Acids

Capric Acid.—Fair movement to local and other consumers. Prices unaltered.

Castor Oil.—Demand less active and market easier. Quotations reduced ½c.

Coconut Oil.—Basic material higher and fatty acid firmer though not quotably changed.

Cottonseed Oil.—Quotations ranged from 8½c. to 9c. per pound in drums for distilled fatty acid. Trade lacked snap.

Myristic Acid.—Quotations were unchanged and tone steady. Business routine.

Red Oil.—Business generally limited to moderate lots. Movement fair. Prices steady.

Soybean Oil.—Buying interest stimulated by developments in basic material. Tone firm.

Stearic Acid.—Raw material higher and market for stearic acid apparently steadier. Trade fairly active.

Chicago—April 19

Buying of fatty acids is mostly in limited quantities.

RED OIL.—Distilled or saponified, 7½c. to 8½c. per pound; tanks, 7c. per pound.

STEARIC ACID.—Distilled, single press, 10c. to 11c. per pound; double press, 10½c to 11½c.; triple press, 13¼c. to 14¼c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 9c. to 9¼c. per pound, tankcar; 9½c. to 9¾c., barrels, car lots; coconut oil, acidulated, 10c. to 10¼c. per pound, tankcar, mostly nominal; 10½c. to 10¾c., barrels, car lots; cottonseed oil, double distilled, 8½c. to 8¾c. per pound, tankcar; 9c. to 9¼c., barrels, car lots; 9½c. to 9¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3c. to 3¼c. per pound; boiled down soap stock, 65 percent basis, 4c. to 4¼c.; cottonseed foots, 50 percent basis, 1¾c. to 1⅞c.

Fish Oils

Menhaden.—Refined steady. Fair movement of small lots.

Sardine.—Consumers bought refined for current needs only. Prices steady.

Sperm.—Increased demand for moderate quantities. Prices up two points.

Whale. — Refined quotations unchanged. Tone steady. Trade fair. Advices from Norfolk, Va., reported the arrival of a Norwegian whaling ship with a cargo of 12,500 tons of refined oil. Other vessels reported to have discharged whale oil cargoes recently at New Orleans for storage.

Markets at Other Centers

Baltimore, April 17.—Some small lots of old crude menhaden oil have been reported sold during the last week at 32 cents per gallon as compared to 34 cents per gallon, the last previous sale. Potential buyers show a disposition to hold off. So far there has been little to encourage the Florida fishing companies to persevere in efforts to operate their vessels.

San Francisco, April 17.—Absence of Scandinavian vitamin oils from the market has lent considerable strength to what is left of last season's stocks of California sardine oil. One lot of processed sardine oil was reported sold here at 42 cents per gallon in tankcars, it being stated that the processing differential on this particular lot amounted to two cents above the normal crude price.

Crude California sardine oil in tankcars then could be stated as worth 40 cents per gallon and bids in the market today at 38 and 39 cents were apparently being turned down by holders of stocks. Business seems to be involving resellers, at least for the most part, as few if any of the crude oil manufacturers have stocks left.

Fats and Greases

Grease.—Firmer with other commodities. Prices up ⅛c. to ¼c. per pound. Trade fair.

CHICAGO, April 19. — Choice white grease, tierces, 4½c. to 4¾c. per pound; yellow, 4¼c. to 4⅜c.

Lard.—Local cash trade somewhat better. Foreign buying reported in West. Clearances from this port light. Price trend upward.

CHICAGO, April 19.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing Apr. 19.	Closing Apr. 12.
Cash	$6.55	$6.12	$6.35	$6.17
May	6.60	6.12	6.35	6.20
July	6.82	6.35	6.55	6.40

Stearin.—Tone firmer here. Offerings light. Increased inquiry noted.

CHICAGO, April 19.—Prime oleo stearin, tierces, 5¾c. to 6c. per pound; lard, 6c. to 6¼c.

Tallow.—Sales reported at 5c. per pound for extra, an advance of ¼c. Offerings light on rise. Increased inquiry reported.

CHICAGO, April 19.—Edible tallow, tierces, 4⅝c. to 4¾c. per pound; inedible, prime, 4⅝c. to 4¾c.; special, 4½c. to 4⅝c.; No. 1, 4⅜c. to 4½c.

Trading in tallow futures on the New York Produce Exchange from April 13 to April 19, inclusive, comprised 2 contracts, a total of 120,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks High.	Low.	Close.
May	...	...	5.00 bid
July	...	...	5.00 bid

E. A Bromund Company
REFINED
Crude Yellow and White
BLEACHED BEESWAX
and COMPOUNDS
CARNAUBA WAX
Ceresine and Imported
OZOKERITE WAX
MONTAN WAX, Substitute
258 BROADWAY, NEW YORK CITY
Est 1890 BArclay 7-8445

Codliver Oil Supply Threatened by War

—Continued from page 3

employment of a technically trained man, and unless there is a prospect that the price of the oil will remain at a very high figure for an extended period it is not probable that American fisheries will be inclined to go into production.

Replacements Available

While statistics on countries of origin of codliver oil consumed in the United States would indicate a very sharp reduction in supply if the war continues, many experts feel that there is no need for alarm. Some of the off-grade codliver oil now going into poultry feed might be purified to meet medicinal standards, and its place could be taken by other fish oils containing vitamins, such as pilchard or menhaden, and various vitamin concentrates and synthetic sources of vitamins may be used to meet the demand. The general opinion is that there will be sufficient sources of vitamins A and D to meet human consumption needs, although poultry feeders may suffer by scarcity and high prices of vitamin oils.

Considerable codliver oil now going into poultry feed falls just short of meeting medicinal requirements because of color, odor, and fatty acid content, and some of this might be purified, though there is a difference of opinion as to whether such reworked oil would meet U.S.P. standards. Vitamin concentrates could be prepared and diluted with other oils to take the place of codliver oil, but such products could not be sold as codliver oil, and therefore might meet considerable consumer resistance even with a favorable price differential.

A U.S.P. supplement now in effect recognizes high-vitamin oils, and these oils are already displacing codliver oil to a considerable extent for some purposes. Imported frozen canned fish livers are one source of vitamin oil, and these imports could be expanded greatly if the demand and price justified. Such fish-body oils as pilchard and menhaden have considerable vitamin content and could be used for poultry feed if the producers exploit this market.

Domestic Oil Possibilities

Domestic production of codliver oil could be expanded by several hundred percent. This production in 1935 was 226,244 gallons, and in 1938 it was 261,556 gallons. Codliver oil is made from the livers of both cod and haddock, since the livers of both are practically identical in size, oil yield, and vitamin content. The 1938 catch of cod and haddock by New England fisheries was 304,092,000 pounds. The usual estimate is that 6 percent of the weight of the whole fish is liver; raw livers yield about one-third of their weight in oil; and there are approximately 7.5 pounds of oil per gallon. Using this conversion factor, it is estimated that potential production of codliver oil by New England fisheries is in the neighborhood of 800,000 gallons, and this could be increased slightly by processing cod and haddock livers taken by fisheries operating from U. S. ports in other sections.

Up to now only a few domestic cod fisheries have felt it worth while to collect cod and haddock livers and process them for oil, but experts believe that only a slight increase in the present price of oil will bring a substantial increase in U. S. production. A few American trawlers have steam rendering plants aboard, and others collect the livers in barrels for rendering on shore, but these livers are usually decomposed to such an extent that the oil is not suitable for medicinal use.

A new process for producing codliver oil is now under experimentation which may lead to increased output. This involves chemical preservation of livers on the boats and extraction of oil by a cold flotation process. A plant in New Jersey is now using this process on dog-fish livers shipped from Newfoundland, and experiments are being made with preserved cod livers. The livers are ground very fine in a colloid mill and dumped into a tank of water, where the oil rises to the top. It is claimed that this process recovers a greater amount of oil than any other and that the vitamin content of the oil is not damaged as in cooking processes. Use of a chemical preservative is said to be cheaper and more satisfactory than refrigeration.

There appears to be little chance for increasing U. S. production of high-vitamin fish oils, such as halibut, swordfish, tuna, sablefish, and lingcod, since the livers of practically all these fish caught are now being utilized. Because of the high prices brought by these oils the fishermen find it profitable to recover the livers at sea and pack them in ice, whereas this does not pay for low-vitamin livers like cod.

Other Fish Sources

Other vitamin fish-liver oils could be exploited, but it is doubted that any of these would prove a satisfactory substitute for codliver oil. Shark-liver oil is being produced in both Florida and California in considerable quantities, though statistics are not available. This is high in vitamin A but low in D, and is marketed for poultry feeds after being fortified with D. Mackerel-liver oil has been found to vary in vitamin content so greatly that it is not considered a satisfactory source.

A good deal of salmon oil is pro-

—Continued on page 45

Animal Oils

Lard.—Quotations unchanged but tone firmer. Fair request for moderate lots.

CHICAGO, April 19.—No. 1 lard oil, 8c. to 8¼c. per pound.

Neatsfoot.—Business continued along conservative lines. Prices unchanged.

Oleo.—Increased demand for moderate quantities. Market steady.

CHICAGO, April 19.—Prime oleo oil, 7¾c. to 8c. per pound.

Tallow.—Business quiet. Quotations unchanged.

CHICAGO, April 19.—Acidless tallow oil, 8c. to 8¼c. per pound.

Waxes

Bayberry.—Future of shipments uncertain. Difficulties about transport may arise. Prices firm.

Candelilla.—Very firm market. Most sellers quote 18½c. minimum but shading in one quarter reported. Demand good, rising because of carnauba wax situation.

Carnauba.—French battleship seized Norwegian ship Bajamar, Brazil to United States, with a large carnauba wax cargo. Ship cleared Brazilian port two weeks ago. Taken into Martinique in "protective custody." Cargo was wax long overdue on this market, virtually all sold, and badly needed here. Sellers conserving unsold spot stocks for regular customers. Prices practically nominal. Suggestions of tentative prices—certainly not firm: No. 3 chalky, 64c. to 66c. per pound in ton lots; No. 3 North Country, 66c. to 68c. in ton lots; No. 1 yellow, 83c. to 85c. in ton lots; No. 2 yellow, 82c. to 84c. in ton lots.

Japan.—Firm undertone at source. Spot competitive. No price changes.

G. F. Caperton Convalescing

G. F. Caperton, for the past twelve years connected in a sales capacity with the New York office of the Bisbee Linseed Company, Philadelphia, left the New Rochelle Hospital last week, where he underwent treatment for a month for high blood pressure. He is convalescing at his home in Larchmont Gables, Larchmont, N. Y.

Cottonseed Ass'n Moves

National Cottonseed Products Association has moved its offices to 713 Sterick building, Memphis, Tenn. The telephone is 8-4563.

M. F. Austin, manager of the vegetable oil department of W. R. Grace & Co., this city, returned last week from a business trip in the West.

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MEMPHIS, TENNESSEE
Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS
Members—Memphis Merchants Exchange (Futures in Cottonseed Meal)
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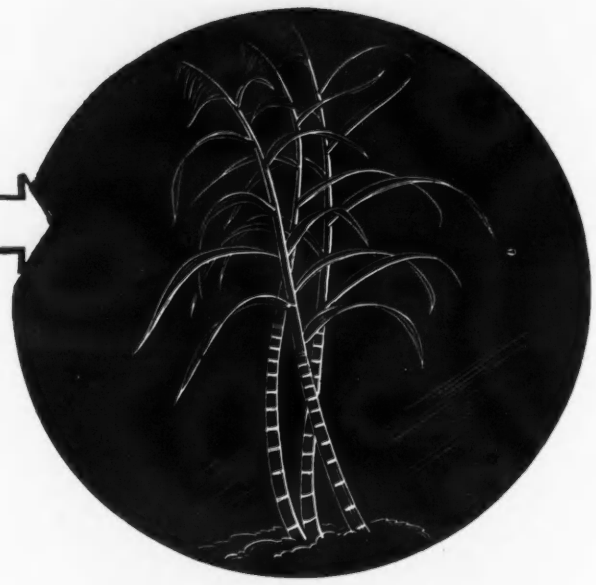
MAKES SUGAR *out of air!*



Amazing new invention? Sensational development in chemistry? No—simply the age-old process of nature, a process which basically has never been duplicated by man. The "machine" which makes sugar consists of the roots, stalk and leaves of the sugar cane plant. The roots take nourishment and moisture from the soil to feed the plant, the leaves absorb carbon dioxide from the air and turn it into sugar; this sugar is then stored in the stalk.

Converting the raw sugar of cane into the "crystallized sunshine" of the dinner table is a noteworthy achievement of the sugar refiner. The gleaming product we accept as a commonplace part of our diet is the result of continuous research and uncompromising standards of production. These have made sugar the simplest, purest, most important of all energy foods.

+ + +

Food-grade phosphoric acid used in the refining of sugar is produced by Monsanto from Monsanto's own supply of pure, elemental phosphorus—the largest electric furnace production of phosphorus in the United States. This complete control of source and production enables Monsanto to offer to all industry the highest quality phosphoric acid and phosphates obtainable. MONSANTO CHEMICAL COMPANY, Phosphate Division, St. Louis, U. S. A. District Offices: New York, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, San Francisco, Montreal, London.

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Tetra Phosphoric Acid
(83-84% P_2O_5)
Ortho Phosphoric Acid
100% H_3PO_4
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Di Calcium Phosphate
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Phosphoric Acid Paste

AMMONIUM PHOSPHATES

Mono Ammonium Phosphate
Di Ammonium Phosphate

SODIUM PHOSPHATES

Mono Sodium Phosphate
Di Sodium Phosphate
Tri Sodium Phosphate
Sodium Acid Pyrophosphate
Tetrasodium Pyrophosphate

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MONSANTO CHEMICALS

SERVING INDUSTRY...WHICH SERVES MANKIND

Drugs, Fine Chemicals

Corn Syrup Higher as Grain Price Rises — Castor Oil Under Influence of Cheaper Raw Material — Quicksilver Up Moderately — Mercurials Very Firm

Price developments in the market for drugs and fine chemicals last week were few in number. Corn syrup and quicksilver were higher, while cocoa butter sold at lower limits. There were developments outside of the sphere of price movement that were important, however, and they hinged almost exclusively on changes in international situation caused by shift in war conditions.

There were castor beans. Following a period of unsatisfactory cable conditions, prices came in very low. The cause? Stoppage of Italian buying in Brazil when Great Britain seized shipments at Gibraltar fearing that the beans would end up in Germany. Oil prices have not been changed but they were distinctly subject to Brazilian market conditions.

Then, there were the declarations by Japan of her special interest in the Netherland East Indies from whence come quinine and cinchona bark. The declarations brought prompt statement from the Department of State declaring for maintenance of the present status quo.

Again, there was quicksilver which turned upward after a period of price weakness. It responded to the spread of war in Europe, but mercurials were not affected.

Finally, there was codliver oil. Presumably by taking Narvik, Norway, the British would control the fishing around the Lofoten Islands, source of the larger part of Norwegian production. The fly in the ointment, however, was the apparent fact that Germany controls the cities that refine the crude oil—Bergen and Aalesund. Possibly production of a medicinal grade of oil from frozen livers will be forced on the country now that there remains only Iceland and Japan as codliver oil sources free from war influences. France and Canada have banned exports save under license.

Price Changes

Advanced

Corn syrup, 10c. per 100 lbs.
Quicksilver, $2 per flask.

Reduced

Cocoa butter, ¼c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
199.3	199.3	198.2	183.4

Market news that may have developed after this report was sent to press will be found on page 4.

Acetanilide.—Business routine but steady. Volume normal. Prices steady.

Acetone.—Good demand. Firm prices. Not much competition. No important stock surplus.

Acetophenetidin.—Routine demand at steady to firm prices. Deliveries prompt.

Acid, Acetylsalicylic.—Good inquiry and steady selling at full prices. Trade up to normal.

Acid, Ascorbic.—Of increasing interest and importance. Stocks meet present call.

Acid, Benzoic.—Market of steady undertones noted. Call routine but normal in variety and size.

Acid, Boric.—New undertakings fair with resellers. Producers report steady shipments against contracts.

Acid, Citric.—Demand should improve. Backward season delaying expansion. Prices stable.

Acid, Gallic.—Firm prices and good demand. Steady undertones created by maintained cost of production.

Alcohol.—Movement up to recent volume. Market undertones steady to firm. Production moving well considering slowing down of activity in numerous consuming industries. Quotations fully maintained.

Ammonia Chloride.—Normal slackening of demand for USP goods. Prices steady to firm.

Ammonia Citrate.—Normal trading interest noted. Prices stable and free from change. Consumption at good level.

Ammonia Hypophosphite.—Spring business very fair. Prices steady.

Amyl Acetate.—Demand up to recent volume and showing signs of improvement. Prices firm.

Amyl Alcohol.—Normal item offered at 25c. per pound at the works.

Bismuth Metal and Salts.—Normal demand reported. Movement steady and trade in major salts especially good. Prices steady.

Cadmium.—Demand for metal expanded by increased activity of platers. Prices firm.

Caffeine.—Resale lots commanding preminum. Situation tight and without signs of relief. Demand excellent.

Camphor.—Strong market. Offerings of natural camphor smaller. Few if any offers of BB grade for shipment. Demand good. Domestic synthetic firm at late advance. Moving in good volume.

Calcium Gluconate.—Prices steady to firm. Call up to recent volume. Undertones gain strength moderately.

Castor Oil. — Beans cheaper in Brazil. Quoted at $70 per ton, f.o.b. Brazilian ports. No sales because buyers hold aloof. Few cables recently. Washington reports Pernambuco saying drop caused by cessation of Italian buying. Shipments to Italy seized by British at Gibraltar under belief that beans were destined for Germany. Spot quotations on oil still unchanged. February imports of beans from India totaled around 5,000,000 pounds. First arrivals in several years. Understood that Britain recently banned further shipments. Not confirmed.

CHICAGO, April 18.—Castor oil prices are:—Cold pressed, U.S.P., barrels, car lots, 13⅜c. per pound; barrels, less than car lots, 14⅜c.; returnable drums, car lots, 13⅜c.; drums, less than car lots, 14⅛c.; tanks, 12⅞c.; extracted, No. 3, barrels, car lots, 13⅛c.; barrels, less than car lots, 13⅞c.; returnable drums, car lots, 12⅞c.; drums, less than car lots, 13⅝c.; tanks, 12⅜c.

Cocoa Butter.—Shaded April 12 to 12¾c. per pound in car lot quantities.

Codliver Oil.—Few firm spot offers. None received from Norway. Strictly nominal market here. Stocks at low ebb for season. New production in Norway began in earnest as Germany attacked in region of Lofoten Island fishing grounds—off Narvik. Fishing grounds presumably

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

HIGH VITAMIN POTENCY
FISH LIVER OILS

(NATURAL VITAMINS A & D)

CONSUMERS IMPORT CO., Inc.
342 Madison Avenue, New York
Cable address: PUREFOOD NEW YORK • All Codes

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TEASEED OIL RED OIL FATTY ACID RICE BRAN OIL
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QUALITY STANDARD THE WORLD OVER SINCE 1883
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All Our Products Are Manufactured in U.S.A.
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AMERICAN FIRSTOLINE CORPORATION
GENERAL SALES AND EXPORT DIVISION
10-35 45th AVENUE, LONG ISLAND CITY, N. Y.
Cable Address: Firstoline Telephone: STillwell 4-6614

under British control since attack on Narvik. Sales and refining centers in disputed territory—Bergen and Aalesund. Germans control Bergen. Future highly uncertain. Canadian Wartime Prices and Trade Board place oil and liver export under license. France does the same with Miquelon and St. Pierre production.

Corn Syrup.—Higher by 10c. per 100 pounds. Quotations, 42 degree syrup, $3.32; 43 degree, $3.37. Caused by high cost of corn.

Corrosive Sublimate. — Good demand. Raw material firmer. Prices very firm.

Emetine.—Best raw material very high and scarce. Less desireable Nicaraguan root advanced again in strong market last week. Small lots of emetine, $22 to $23 per ounce.

Formaldehyde.—Firm at late decline. Demand good. Deliveries prompt.

Glycerin.—Reasonably active along lines of normal consumption. Prices generally firm and free from pending unsettlement. All legitimate manufacturing consumer requirements being supplied promptly at fair prices.

CHICAGO, April 18.—Glycerin prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c.; drums, less than car lots; high gravity, tanks, 11¾c.; drums, car lots, 12c.; drums, less than car lots, 12½c.

Hyoscine.—Strong. Stocks rarely so small. Prices high, tending higher, and virtually nominal on all save the smallest of orders.

Hyoscyamine.—Stocks small. Deliveries most often in 5-grain bottles at 60c. per bottle. Increase in supply unlikely soon.

Mercurials. — Raw material turns firmer at moderate advances. Mercurials hold firm under influence of a very fair demand.

Methanol. — Steady absorption of quantities tendered against contracts. Prices steady at recently readjusted levels.

Methyl Acetone. — Interest very good. Prices steady. Consumption running to figures about normal.

Methylethyl Ketone. — Steady demand at full market prices. No unsettlement of values. Deliveries up to recent experience in promptness.

Phenobarbital.—Interest good. Movement up to recent volume. Prices fully steady.

Phenolphthalein. — Undertones steady. Demand moderately quiet, but still reaching fair totals. Prices maintained.

Quicksilver.—Market here up to $174 to $175 per flask and showing further strength, suggestive of further rise. Demand improved under spread of the European war.

SAN FRANCISCO, April 17.—Quicksilver bouyant. Result of extension of war in Europe. Sales reported. Sellers quoting $175 as trading basis for Pacific coast business.

Quinine.—Situation watched closely as Japan turns an eye to the Netherlands East Indies, source of virtually all cinchona bark production. United States Department of State insists that present status quo be not disturbed. Involvement of Holland in war might raise difficult situation in Far East. Local importers and producers calm, but watchful.

Rochelle Salt.—Firm. Fairly active. Under influences of high-priced raw material. Change not in sight now.

Saccharin. — Domestic consumption needs met promptly. Prices firm. No surplus stocks for speculators.

Salicin.—Routine demand. Buyers buy as needed. Undertones steady to firm. Prices well maintained.

Santonin. — Some gain in inquiry. Market begins more active season in firm position. Stocks none too ample. Imports from Russia may become difficult.

Seidlitz Mixture. — Steady flow of moderate-sized orders. Prices very firm. Production cost maintained.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided:—

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34¾	20⅞
Monday	26⅞	34¾	20⅝
Tuesday	26⅞	34¾	20⅞
Wednesday	26⅞	34¾	20⅛
Thursday	26⅞	34¾	20⅝
Friday	26⅞	34¾	20⅝

H. M. Daggett Given Testimonial Dinner

H. M. Daggett, purchasing agent for the Air Reduction Company and the U. S. Industrial Chemicals, Inc., both of this city, was the guest of honor at a tesimonial dinner in the Downtown Athletic Club April 11. The dinner was given in honor of his retirement from active business April 30. Following his retirement, Mr. and Mrs. Daggett will tour the United States, after which they will return to their new home at Trout Run, Pa.

Radio advertising to Latin America will be explained to the Export Managers Club at its luncheon April 23 by Lunsford P. Yandell, of the National Broadcasting Company. The luncheon will be in the Hotel Pennsylvania, this city, at 12:30 p.m. and will cost $1.65.

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CHEMICALLY PURE—B. P.
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HIGH GRAVITY
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If it's MADE of MERCURY ask WOOD RIDGE!
WOOD RIDGE DIVISION F. & BERK & COMPANY, INC. WOOD RIDGE, NEW JERSEY

Codliver Oil Supplies Curtailed by War

—Continued from page 41

duced, both from livers and the bodies of the fish, which contain valuable vitamin potency, but a large part of this is put back into canned salmon to increase the sales appeal, particularly of the chum grades. Salmon-liver oil production is felt to be uneconomical because this would require hand cleaning instead of the mechanical fish-cleaning processes now used in most large canneries. One cannery in Alaska has facilities for production of a high-grade salmon-liver oil, but its output is not large.

Government officials familiar with the fisheries industry believe that the most likely potential sources for codliver oil to replace those cut off by the war are Iceland, Newfoundland, and domestic fisheries. Canadian, Newfoundland, and Labrador fisheries are making efforts to increase their codliver oil output, and U. S. fisheries are in a position to do the same. It is believed that England may find that she can obtain sufficient supplies of codliver oil without taking the entire production of North Atlantic empire fisheries, so that if these are able to increase their output the United States may again be able to obtain supplies from them.

Imports a Little High

Imports of codliver oil jumped greatly at the outbreak of the European war last Fall, but after a couple of months they declined so that the total imports for the past year or so have not been much above normal, and stocks in this country are believed to be only slightly greater than average.

Imports of codliver oils in 1939 amounted to 6,670,274 gallons. This compared with 5,218,537 gallons in 1938 and 5,915,964 gallons in 1937. About 92 percent of the 1939 imports were obtained from Norway (35 percent), Iceland (25 percent), Germany (18 percent), and United Kingdom (14 percent). The imported oils were divided among the several types approximately as follows:—Medicinal, 42 percent; poultry, 31 percent; industrial, 27 percent.

Imports of nonedible fish livers amounted to 6,253,873 pounds in 1939, compared with 4,931,590 pounds in 1938 and 2,473,962 pounds in 1937. Japan was the chief source during the three years and supplied 85 percent of the imports in 1939. The fish livers from Japan are valued chiefly for their content of vitamin D. Detailed identification of the imports is not available, but information from Japan indicates that its exports of fish livers are chiefly skipjack livers, followed by bluefin and yellowfin tuna, and less important volumes of mackerel, yellowtail, and swordfish livers. It is probable that, with proper supervision, a substantial proportion of the imported fish livers could be adapted to the production of oils suitable for medicinal use.

This is the low season in respect of codliver oil. The fisheries begin their annual activities in January and usually have their biggest catches during the Spring months. As the Winter is the season of largest consumption of codliver oil, stocks are usually at their lowest point around April 1. Stocks this year are probably smaller than usual in first hands, but larger in the successive outer circles of distribution, because of abnormally heavy buying some six months ago.

Philip Carey Co. Elects R.S. King President

R. S. King has been elected president of the Philip Carey Manufacturing Company, Cincinnati. He succeeds George Dent, who has been made chairman of the board. Mr. King was formerly president of the Pennzoil Company, Oil City, Pa., and subsequently head of the State Oil Company, Lincoln, Neb.

Sun Ray Drug Company, operator of forty-seven stores in Philadelphia, Eastern Pennsylvania and New Jersey, is reported operating for acquisition of the Nevins Drug Company, operator of sixty-two retail stores in Philadelphia.

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Pyrogallic Acid, C.P.

• Whether you use pyrogallic acid for dyeing, tanning, inks, or analytical purposes, you can be certain of a satisfactory grade by specifying "Eastman." It is purified to meet the rigid requirements of photographic developer. Daily production assures shipment from fresh stock.

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VITAMIN PRODUCTS
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ATLANTIC COAST FISHERIES CORP. OF N. Y.
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Hawaiian Pineapple Co.
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Zinsser & Co.
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Cream Tartar
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Produced at Our Gustine, Cal. Plant
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If S. B. Penick & Company hasn't or cannot obtain the botanical drug you want . . . you'll find it hard to get anywhere. Quality stocks of some one thousand plant drugs are carried in our several branches. The eight Penick Plants (totalling approximately 4½ million cubic feet of storage space) contain the world's largest accumulated stock of botanical crude drugs. At our Asheville branch and collection depots (where we accumulate the greatest supply of new crop domestic drugs in season), more than two hundred different botanicals are graded, milled and sent to other Penick distribution centers or directly to customers. If you need any botanical drug, we probably have it.

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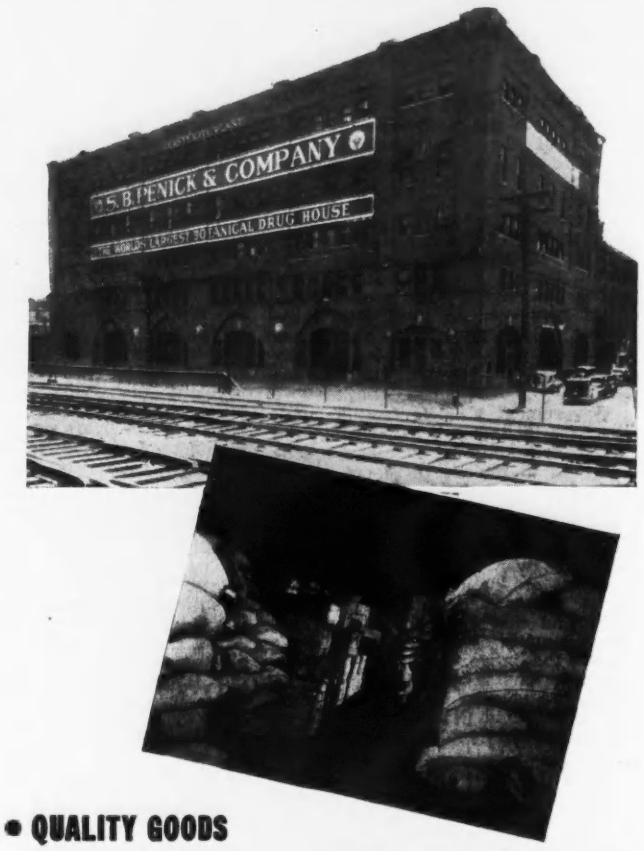

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

F.D.A. Transfer Appears in Doubt

—Continued from page 30

naval stores work could go to the Forest Service, the Bureau of Agricultural Chemistry and Engineering, or the Agricultural Marketing Service.

Another complicating factor is the fact that the organic act of the Department of Agriculture provides that the legal work of all the bureaus be done by the office of the solicitor of the department. A special unit of the solicitor's office has been built up to handle food and drug and related matters, and this has been paid in part by a transfer of appropriations from the Food and Drug Administration to the solocitor's office. The major portion of the staff of this unit will go to FSA with the administration, and after the transfer it will be decided whether it will be consolidated with the office of the general counsel of FSA or become an integral part of the Food and Drug Administration.

Similarly, the personnel and publications divisions of the department serve all bureaus, and some splitting will be necessary, though in the case of publications this will involve little more than a transfer of funds.

Funds Not Affected

The pending appropriation bill for the Department of Agriculture will not have to be amended to affect a transfer of funds, since the reorganization act authorizes such a transfer and the President's order specifically provides for it. Thus the Food and Drug Administration will have exactly the same funds, allocated in the same way, for the coming fiscal year as though there had been no transfer. The only difference will be that funds specified in the appropriation bill for enforcement of naval stores and insecticide work, plus an equitable portion of general administrative and transportation expenses, will remain with the department.

Physical transfer of the 320 Washington F.D.A. employees and their offices and laboratories out of the Department of Agriculture building is not expected to be accomplished for some time. The FSA has no building of its own as yet and its various agencies are housed in different parts of town while its headquarters are in space made available by the National Institute of Health, one of the FSA units.

The Department of Agriculture could use the space now occupied by the Food and Drug Administration, but is not expected to serve it with an eviction notice, since the location of government offices and the assignment of space is directed by the Office of Planning and Space Control of the Public Buildings Administration of the Federal Works Agency. A building is under construction at the Beltsville, Md., experimental farm just outside the District of Columbia, originally intended to house the animals and laboratories needed for F.D.A. biological and vitamin work, and this building will doubtless be coveted by other agriculture units so its future tenant remains in doubt.

F.D.A. field stations probably will continue to function about as before, for the time being, except that naval stores and insecticide inspectors may be shifted about as a result of their consolidation with some other Bureau of the Department. Later the F.D.A. field offices may be physically housed along with some of the field offices of FSA units, but this is a matter of local facilities and is considered of no particular importance at this time.

To date the Federal Security Agency is taking no part in plans for the F.D.A. transfer, and the burden of preparation is entirely on the Department of Agriculture. Walter G. Campbell, chief of the Food and Drug Administration, called on Administrator McNutt this week to pay his respects, but no details were discussed. The exact status of Mr. Campbell has not yet been determined, but it is assumed he would have to be reappointed by the FSA Administrator. The position of chief of the Food and Drug Administration is a civil service position, and while the name is changed by the reorganization order to Commissioner of Food and Drugs, the position will remain under civil service and will not be a presidential appointment subject to senate confirmation.

Transfer Not Opposed

Farm and food trade associations which were alarmed at reports that the Food and Drug Administration would be placed under the United States Public Health Service have so far raised no particular objections to its transfer to FSA. While they would prefer that it remain under the Department of Agriculture on the theory that farmer interests are apt to assume more sympathetic treatment in food regulation, most of them admit that the Food and Drug Administration has not shown them any special partiality on this ground, and they feel that an unsuccessful campaign of opposition to the transfer might put them under a cloud of suspicion should the transfer become effective.

Persons who feared amalgamation of the Food and Drug Administration with the Public Health Service are noting with approval that the text of the reorganization order makes no mention of any consolidation or cooperation between the two agencies, even though in his message to Congress President Roosevelt observed that there is need for coordination of certain F.D.A. functions with those of the Public Health Service. With the two as separate units under the FSA it is possible that recommendations of one may influence the administrator in actions pertaining specifically to the other. This could mean that the medical point of view of P.H.S. officials could influence F.D.A. decisions, but it might also mean that the Public Health Service could become more informed about the practical trade and business problems involved in regulatory work. At any rate, there is no present prospect of anything more than friendly cooperation between the two units.

The reorganization act is so written that it is extremely difficult for Congress to block a presidential order. The act morally binds both house and senate to follow a special procedure under which the only action can be on a resolution that Congress does not favor a reorganization plan of a certain number—in this case plan No. 1V. No amendments are in order to such a resolution; so an entire plan must stand or fall as a unit, and Congress may not modify a reorganization order or permit part of it to become effective while withholding approval of another part. In order to block the plan a resolution of disapproval must be passed by both houses within sixty days after the plan was submitted. Passage by one house is of no effect, and conversely, defeat of a disapproval resolution by either house is tantamount to approval of the reorganization plan by Congress.

Drug Groups Discuss Price Plans and Hours

—Continued from page 3

act was reviewed by A. Kiefer Mayer, and the ensuing discussion brought out the general opinion that the drug industry favors liberalization of the act to provide for 2,200 hours of continuous employment instead of the stipulated 2,000 hours and clarification of the act with respect to the definition of "administrative and executive" functions. This session was held under the leadership of J. M. Penland and Dr. E. L. Newcomb.

A lively discussion characterized the manufacturers' meetings, which was closed so that the manufacturers might "take down their hair completely" on their various opinions. Prof. H. J. Ostlund, of the University of Minnesota, announced that his price survey of selected proprietary products would be available in the next sixty days and that 4,000 copies will be ready for distribution to the trade. B. H. Badanes explained the plans of the drug industry for better display during the second year of the World Fair in New York.

The special sessions of the manufacturer associates and the wholesale service groups this year were kept as free as possible from publicity as preliminary sessions to the final open session tomorrow, an account of which will be given next week. A cocktail party given by the wholesalers to the manufacturers was attended by approximately 450 members of all divisions and their friends.

Botanical Drugs, Spices, and Gums

Ipecac Root Still Advancing — Valerian Higher — Henbane and Henna Down—Rhubarb Shaded—Cut Doggrass Reduced — Goldenseal Yields to Spot Competition

Demand for botanical drugs was fairly good last week. Volume was probably less than that normal for the market at this season of the year but it was still sufficient to keep complaints in check and to make dealers fairly satisfied with the general situation.

Price trend during the week was definitely in favor of the buyer for consumption. In point of number, declines exceeded advances two to one or better and the articles affected were those of reasonable importance in the market as a whole. Occasionally, the reductions were substantial in size but more often they were conservative and made but little change in the basic position of the market.

Foreign news was not too encouraging. Cost to import merchandise tended upward because of the war risk and insurance rates were highly sensitive to the spread of the war to Norway and the extremely sensitive situation in the Balkan states and southeastern Europe generally. The feeling that Italy would eventually take up arms increased. If she throws in with Germany, the prices for European botanicals would probably advance overnight to a substantial extent. Only because Italy is not at war with the Allies is it possible for local dealers to import merchandise shipped from Adriatic Sea and Italian ports.

Balsams

Peru.—Easier and lower. Market 95c. to $1 per pound. Caused by local competition and more favorable replacement cost.

Tolu.—Steady. In light demand. Stocks fair.

Barks

Black Haw. — Routine demand. Prices steady. Little local competition.

Cinchona.—Broken quill lower at 25c. to 26c. per pound under competition. Whole quill very steady.

Cociliana.—More competition eases prices. Market lower at 30c. to 31c. per pound. Light demand.

Condurango. — Activity limited to small lots. Prices easier as market softens moderately.

Elm.—Quiet and routine. Heaviest demand over. Moderate but ample carryover. Prices steady.

Beans

Calabar. — Quiet demand. Steady prices. Absence of competition noted.

St. Ignatius.—Demand of jobbing order. Prices quite steady.

Vanilla.—Firm. Fair demand of exceptionally steady kind. Prices show continued strength. Stocks small in all markets. Held in firm hands. Competition not prominent locally.

Berries

Fish.—Market steady. Buyers trade close to actual needs. Prices maintained readily.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	...	1,915
Belladonna	57	285
Caraway	...	10,380
Cardamom (cases)	...	724
Celery	...	2,676
Coriander	500	4,143
Cumin	799	3,605
Digitalis leaves (cases)	1	1
Dill	...	74
Fennel	200	803
Henbane leaves (bales)	185	219
Mustard	2,800	5,514
Poppy	100	11,485
Sage leaves (bales)	...	615
Sesame	1,043	4,868
Stramonium	117	334
Thyme	...	893

Price Changes

Advanced

Caraway, Dutch, ¼c. per lb.
Russian, ¼c. per lb.
Cassia, Batavia, broken, 1c. per lb.
Celery seed, Indian, ½c. per lb.
Ginger root, Cochin, ½c. per lb.
Ipecac root, whole, 10c. per lb.
powdered, 5c. per lb.
Mustard seed, Danish yellow, ¾c. per lb.
Dutch yellow, 1c. per lb.
Paprika, Bulgarian, ¾c. per lb.
Hungarian, extra fancy, ¼c. per lb.
medium, ½c. per lb.
Pariera brave root, 2c. per lb.
Passion flower herb, 1c. per lb.
Poppy seed, Dutch, ¼c. per lb.
Valerian root, 2c. per lb.

Reduced

Cassia, Chinese, select, broken, 1½c. per lb.
Celery seed, French, ½c. per lb.
Cinchona bark, broken, red, 2c. per lb.
yellow, 2c. per lb.
Cociliana bark, 5c. per lb.
Doggrass root, cut, 4c. per lb.
Ginger root, African, ½c. per lb.
Jamaica, bright grinding, ¼c. per lb.
Golden seal, whole, 20c. per lb.
powdered, 20c. per lb.
Gum benzoin, Sumatra, ½c. per lb.
Myrrh, 1c. per lb.
Sandarac, 2c. per lb.
Henbane leaves, 5c. per lb.
Henna leaves, whole, 1c. per lb.
powdered, 1c. per lb.
Horehound herb, 1½c. per lb.
Larkspur seed, 10c. per lb.
Licorice root, bundles, 7c. per lb.
Lovage root, domestic, 10c. per lb.
Papain, powdered, 5c. per lb.
Peru balsam, 10c. per lb.
Poppy flowers, red, 10c. per lb.
Princes pine herb, 3c. per lb.
Raspberries, dried, 5c. per lb.
Rhubarb root, whole, 5c. per lb.
powdered, 5c. per lb.
Sarsaparilla root, Honduras, 10c. per lb.
Mexican, 1c. per lb.
Senna leaves, Alexandrian, half leaf, 1c. per lb.
siftings, 1c. per lb.
Thyme, ½c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
193.5	**195.7**	**195.5**	**120.8**

Market news that may have developed after this report was sent to press will be found on page 4.

Juniper.—Firm to firmer, reflecting absence of weakness in primary market. Demand steady and fair in volume.

Raspberries.—Prices lowered to 60c. to 65c. per pound. Conditions competitive locally. New crop coming in Farwest.

Flowers

Arnica.—Turns firmer again. No price shading. Fair demand.

Chamomile. — Sales of Hungarian flowers at 38c. to 40c. per pound. Undertones firm. Prices tend upward again.

Lavender.—A buyers' market lacks

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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HOPKINS BRAND
Tested CHEMICALLY
For prompt or future shipment from our New York City Warehouses and Mills
CRUDE DRUGS
Acacia Gum (Arabic)
Aloes (all kinds)
Aniseed
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Euphorbia
Fennel Seed
Gentian Root
Ipecac Root
Irish Moss
Juniper Berries

Kola Nuts
Lavender Flowers
Lupulin
Myrrh Gum
Nux Vomica
Orange Peel
Orris Root
Papain
Peppermint Leaves
Quince Seed
Sarsaparilla
Senna Leaves
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399 St. Paul St., W. Montreal, Canada
206 State St. Boston, Mass.
383 Brannan St. San Francisco, Cal.
KARAYA (INDIAN GUM) LOCUST BEAN TRAGACANTH ARABIC

Vanilla Beans—Tonka Beans
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ALGIN—technically known as Sodium Alginate—is a gum-like, edible colloid which, when mixed with water, forms very *viscous* solutions even when very small amounts are used.

Because of its high viscosity and colloidal properties, Algin is used regularly as efficient but economical thickening, emulsifying and stabilizing agent in such diverse fields as—

—ice cream and chocolate milk
—bakery fillings and confections
—cheese processing
—confectioneries
—textile printing
—cold water paints
—leather dressings
—tooth pastes, shaving creams, liquid dentifrice, soaps and other cosmetics
—in fact, wherever a hydrophilic colloid or gum-like material is required.

Algin is made from domestic kelp to exact specifications. Thus, you are assured of a uniform quality material and uninterrupted service.

Complete information about the use of Algin in your operations will be gladly sent on request.

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530 West 6th St. LOS ANGELES

much activity. Prices show unsettlement and weakness.

Poppy.—Red flowers lower at 90c. to $1 per pound. Demand of jobbing sort encourages competition.

Saffron.—Mexican flowers down to 27c. to 28c. per pound. Market quite easy. Spanish flowers steady at late decline.

Gums

Arabic.—Reports on market condition differ. Some quarters indicate a firming of undertones. Others suggest further competitive weakness. Demand fair.

Benzoin.—Sumatra gum sold at 17c. per pound, a fractional decline. Routine business the rule.

Camphor.—Domestic synthetic item strong. Demand excellent. Production engaged well ahead. Natural camphor firm with demand good. Movements seasonal.

Karaya.—Good, normal trading interest shown. Prices steady.

Myrrh. — Market shaded to 45c. to 46c. per pound. Possibly lower on a bid for substantial quantity.

Sandarac.—Moderate demand. Firm prices. Limited competition.

Herbs and Leaves

Damiana.—Shortage relieved. Market down to 25c. to 26c. per pound.

Henbane.—Down to 45c. to 50c. per pound under competition. Demand small.

Henna.—Whole, 13c. to 14c. per pound; powdered, 16c. to 17c. Lower.

Horehound.—Shaded to 8c. to 9c. per pound. Import cost lower.

Marjoram.—Chilean lower at 15½c. to 16c. per pound and easy thereat. French and Tunisan unchanged.

Passion Flower. — Sales establish slight advance to 8c. to 9c. per pound. Undertones firmer.

Princes Pine.—Local market competition. Quotations down to 22c. to 23c. per pound. Moderate demand.

Senna.—Half leaf Alexandrian lower at 14c. to 15c. per pound; siftings, 13c. to 14c. Tinnevelly item steady to firmer. Fair spot stocks.

Miscellaneous

Cassia Fistula.—Fair demand. Trade about normal. Quotations steady.

Dragon's Blood.—Mass and reeds steady. Routine trading well up to recent volume.

Ergot.—Steady to firm. Moderate demand. Small stocks everywhere. Imports, past five years as follows:—

	Pounds.
1939	97,770
1938	144,761
1937	241,000
1936	238,000
1935	252,000

Countries of origin, 1939, with quantities shipped, were:—

	Pounds.
Portugal	66,302
Poland and Danzig	11,412
United Kingdom	6,720
Hungary	4,925
Spain	3,840
Germany	3,563
Roumania	1,008

Kamala.—Inquiry less active. Prices no less steady.

Kola Nuts.—Fair trading at steady prices. Values about normal.

Papain.—Market lower at $1.45 to $1.50 per pound. Imports, 1939, 233,500 pounds from Ceylon, comparing with 142,384 in 1938. Total 1939 exports from Ceylon, 251,341 pounds. Imports from Japan, 1939, 26,000 pounds; 1938, 8,000 pounds. No arrivals from Japan prior to 1938. Produced on mandated island Ponape and distributed by Tokyo firm.

Roots

Doggrass.—Lowered to 18c. to 19c. per pound. Quiet market, favoring buyers.

Golden Seal.—Lower in one quarter on spot. Largest supplier maintains price. Price range: Whole, $3.65 to $3.85 per pound; powdered, $3.90 to $4.10. Only small lots available at minimum price.

Ipecac.—Advanced again. Whole, $1.35 to $1.40 per pound for Nicaragua root; powdered, $1.45 to $1.50. Brazilian would cost around $4.50 a pound.

Licorice.—Bundled root lowered to 20c. to 25c. per pound. No other change in group.

Lovage.—American offered at 45c. to 50c. Dull and easy. Imported firm.

Pariera Brava.—Higher. Sales at 20c. to 21c. Stocks conservative and shrinking.

A.D.M.A. Program Has Broad Scope

—Continued from page 5

Biological Section

9 a.m. to 1 p.m.; 2 p.m. to 4 p.m.
W. A. Feirer, Chairman

Standardization of antipneumococcic serum, S. D. Beard.

Diphtheria toxoid, John F. Anderson.

Preservatives in biological products and methods for sterility and safety testing, E. B. Carter.

Antirabic vaccines, W. A. Feirer.

Proposed regulations of Bureau of Animal Industry as covered in circular letter No. 2168, E. A. Cahill.

Standardization of bacterial vaccine, John F. Norton.

Committee to investigate laboratory animals used in biological standardization, W. E. Bunney.

Address, "Antimeningococcic Serum: Its Present Status and Future Possibilities," Dr. Sarah Branham, National Institute of Health.

Dr. L. R. Thompson, director, National Institute of Health; Dr. W. T. Harrison, chief, Division of Biologics Control, National Institute of Health; and Dr. D. I. Skidmore, chief, Division Virus-Serum Control, Bureau of Animal Industry, United States Department of Agriculture, will take part in the discussion of the various subjects.

New business.

Election of section secretary.

Crude Drug Section

S. Barksdale Penick, Chairman

Meeting subject to the call of the chairman.

Medicinal Chemical Section

F. J. McDonough, Chairman

Meeting subject to the call of the chairman.

Entertainment

12:30 p.m., ladies' luncheon followed by bridge at Kate's Mountain Club. Automobiles available at 12:00 noon for transportation.

6:30 p.m., entertainment committee cocktail party.

9:30 p.m., president's reception, grand ballroom.

10:30 p.m., dancing, ballroom.

Tuesday, May 7

First General Session

9 a.m.

Reception of guests and delegates from other associations.

Address of the president, S. DeWitt Clough.

Report of the executive vice-president and secretary, Carson P. Frailey.

Report of the treasurer, Robert Lincoln McNeil.

Report of the committee on legislation, Leslie D. Harrop, chairman.

Discussion by membership.

Report of delegates to National Drug Trade Conference.

Appointment of committees on nominations and audit, by the president.

Memorials to deceased members, George Simon, chairman.

Report of scientific section, R. J. Fosbinder, chairman.

Report of crude drug section.

Report of councillor to United States Chamber of Commerce, Frank F. Law.

Report of biological section, W. A. Feirer, chairman.

Address, "Industry and Its Position in National Preparedness," C. F. Shook, Lieut.-Colonel, Medical Corps, United States Army.

Entertainment

11:00 a.m., ladies' putting contest followed by luncheon at the casino.

12:30 p.m., golf tournament.

9:00 p.m., entertainment.

10:30 p.m., dancing, ballroom.

Wednesday, May 8

Second General Session

9 a.m.

Insurance, report of committee, E. F. Wagner, chairman.

Discussion by membership.

Employment problems, report of committee, James DeCesare, chairman.

Discussion by membership.

Patents and trademarks, report of committee, E. H. Volwiler, chairman.

Discussion by membership.

Address, "Comparative Clinical Studies Upon the Value of Sulphanilamide, Sulphapyridine and Sulphathiazole," Perrin H. Long, M.D., Johns Hopkins Hospital.

Foreign trade, report of committee, R. M. Cain, chairman.

Discussion by membership.

Report of audit committee.

Transportation, report of committee, B. F. Williams, chairman.

Discussion by membership.

Report of medicinal chemical section, F. J. McDonough, chairman.

Report of nominating committee and election of officers.

Presentation of resolutions to be acted upon the following day.

Entertainment

11:00 a.m., ladies' bridge followed by luncheon at the casino.

1:30 p.m., tennis tournament.

7:30 p.m., banquet, distribution of golf and tennis prizes.

10:30 p.m., dancing, ballroom.

Thursday, May 9

Third General Session

9 a.m.

Address, "Regulation and Cooperation," James A. Horton, chief examiner, Federal Trade Commission.

Address, "American Medicine and the National Government," Morris Fishbein, M.D., editor, Journal of the American Medical Association.

Additional subjects to be announced by chairman.

Resolutions.

New business.

Special cars for the A.D.M.A. convention party will be provided on the P.R.R.-C. & O. train leaving the Pennsylvania station, New York, at 6:30 p. m., Eastern Standard time, May 4. This train will stop at Newark, N. J., at 6:45 p. m.; Philadelphia, 8:10 p. m.; Wilmington, Del., 8:41 p. m.; Baltimore, 9:43 p. m.; Washington, 10:25 p. m. It is scheduled to arrive at White Sulphur Springs at 6:05 a. m., May 5.

Reservations and particulars available from the chairman of the transportation committee, Robert B. Magnus, of Magnus, Mabee & Reynard, 16 Desbrosses street, New York; telephone, Walker 5-1112, extension 14. The committee has also prepared schedules showing leaving times:—Chicago, 1:45 p. m., C.S.T.; Cincinnati, 9:45 p. m., E.S.T.; Cleveland, 5.50 p. m., E.S.T.; Detroit, 5.05 p. m., E.S.T.; St. Louis, 12:08 p. m., C.S.T.

Information on motor routes to White Sulphur Springs is also available from Mr. Magnus.

Rhubarb.—Lower. Whole, 60c. to 65c. per pound; powdered, 65c. to 70c. Still has fundamental elements of strength in primary market.

Sarsaparilla.—Honduras sold lower at 30c. to 31c. per pound. Mexican shaded to 15c. to 16c. Not much trading.

Valerian.—Advanced. Market 42c. to 45c. per pound. Small offerings, source and spot. Fair demand.

Seeds

Anise. — Another variety offered. Cyprus seed quoted at 15¼c. to 15⅝c. At least five different countries shipping here.

Caraway.—Duth higher at 13¼c. to 13¾c. per pound; Russian up to 11½c. to 12c. More interest shown.

Celery.—French lower at 20½c. to 21c. Indian selling freely at rise to 13¼c. to 13¾c. Far East item getting bulk of call.

Larkspur.—Still in low supply but quoted lower at 90c. to $1 per pound as to seller.

Mustard.—Danish advanced to 13¾c. to 14¼c. per pound; Dutch yellow, up to 11½c. to 12c. All other varieties firm and close to nominal.

Poppy.—Dutch seed a fraction higher at 13¼c. to 13¾c. per pound.

Spices

Cassia.—Broken Batavia advanced to 13c. to 13¼c. per pound. Selected broken Chinese item down to 8¼c. to 8½c. No other changes.

Ginger.—African lower at 7¼c. to 7½c. per pound. Bold Jamaica, higher at 10c. to 10½c.; medium bold, 12c. to 12½c., unchanged; bright grinding, cheaper at 8¼c. to 8¾c.

Paprika.—Balkan situation dangerous to continuing supply of this item. Bulgarian advanced to 23½c. to 24c. per pound; Hungarian, extra fancy, 33¼c. to 33¾c.; medium, 30c. to 30½c.

Pepper. — Not very active here. Grinders taking conservative quantities. Prices steady on all varieties and qualities.

Trading in black pepper futures on the New York Produce Exchange from April 13 to April 19, inclusive, comprised 117 contracts, a total of 3,931,200 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	4.20	4.18	4.13@4.18
March	4.28	4.20	4.24 sale
May	3.92	3.78	3.83@3.88
July	4.06	3.96	3.91@3.96
December	7.28	7.19	7.13@7.16

McLaughlin Gormley King Makes Torpin N.Y. Agent

McLaughlin Gormley King Company, manufacturer, importer and miller, Minneapolis, has appointed Paul D. Torpin as its representative in New York and adjacent territory. He succeeds J. W. Purcell. Mr. Torpin has been with the McLaughlin Gormley King organization for several years, working out of the main office.

Purcell Joins Prentiss Co.

John W. Purcell, identified with the insecticide business for over twenty years, has joined the sales organization of R. J. Prentiss & Co., manufacturer of pyrethrum concentrates and other raw materials for insecticidal sprays, this city. In his new engagement, Mr. Purcell will handle the necessary expansion of the Eastern sales division of the company, specializing on pyrethrum products. He will handle also the company's line of general botanical drug merchandise.

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Essential Oils, Aromatic Chemicals

Bergamot Advance Expanded Sharply — Lavender Developing More Strength—Lavandin At High Prices Sells Well—Lemon and Orange Quiter—Spearmint Firmer—Cananga Strong

Market undertones showed substantial strength in the market for essential oils and aromatic chemicals last week. The basic position of practically all imported materials was one of strength, caused by the steady upward trend and tendency in the cost to transport replacement supplies to this market. Also, the absence of weakness in sales prices abroad was a strengthening element generally on spot.

Spread of war to Scandinavia; the constant danger of war spreading to the Balkans and southeastern Europe; the nervous concern regarding Italy and her ultimate position in the war—all were influences checking and balancing nicely against the rather moderate sales out of spot stocks.

Consumers display far less tension than sellers when it came to the future possibilities and probabilities of market developments at home and abroad. Warned that spot stocks were not exceptional in size and that replacements were becoming increasingly difficult and uncertain, many buyers coasted along on their present stocks, or traded close to their actual needs of the nearby future. And yet the political and economic situation throughout the whole world would appear to make stocks in hand assets of more than usual value.

Essential Oils

Almond.—Quiet demand but steady prices the rule. Fair stocks in hand.

Amber.—Offerings of crude at 22c. to 23c. per pound. Refined very firm at high, well maintained prices.

Anise.—Moderate demand for immediate needs. Prices about steady. Replacement cost well maintained.

Bay.—No further price recession. Situation very steady. Demand strictly routine and usually for small quantities.

Bergamot.—Sales at $5.75 to $6 per pound. Situation strong. Absence of normal shipment offerings from source.

Bois De Rose.—Most sellers able to offer only Brazilian item. Held at firm to steady prices. Little competition.

Cajeput. — Firmer and higher. Technical oil, 71c. to 72c. per pound; U.S.P. IX, 75c. to 76c. Some quote substantially higher than these prices.

Cananga.—Strong and higher. Native, $1.75 to $1.80 per pound; rectified, $2 to $2.35 per pound. Range quoted according to seller. Replacement cost high. Moderate demand.

Caraway.—Strong to firm, according to seller. Sales create fair volume. Prices were maintained. Range wide.

Cassia.—Moderate demand. Prices firm to firmer. Limited local competition. Fair sized spot reserves.

Cedarleaf.—Routine trading. Buyers' needs conservative. Quotations very steady. Market lacks unsettlement.

Cedarwood.—Demand bracing moderately. Pickup should continue as season raised consumer needs. Prices firm.

Clove.—Very good movement of small lot orders. Prices substantially steady in all quarters.

Croton. — Some dealers without supplies. Stocks generally small. Prices stronger at $2.60 to $2.85 per pound as to sellers.

Dill.—Demand very good along seasonal lines. Seed oil $3.60 to $4 per pound as to seller; weed oil, $4 to $5, same terms. Competition fairly keen.

Erigeron.—Stocks down to very small size. Prices higher at $2.25 to $2.40 per pound as to seller.

Eucalyptus.—Market strong. Offerings infrequent from source. Demand very good. Stocks small at all points.

Geranium. — Undertones very steady. Fair call for jobbing quantities. Little price competition.

Grapefruit. — Market competitive. Consumption moderate. No price change.

Ginger.—Raw material down again. Oil unchanged. Demand hand-to-mouth.

Guaiacwood.—This concrete stronger and higher at $2.80 to $2.85 per pound. Routine but very steady demand. Stocks down.

Hemlock.—Steady. Moderate demand. Stocks fair. Considerable competition.

Juniper.—Very firm. Justified by replacement cost. Good call.

Lavandin.—Selling freely at $3.10 to $3.25 per pound as to seller. Higher prices reflect higher replacement cost.

Lavender.—Some qualities higher. The 38 to 42 percent ester, top quality, $4.50; quoted down to $3 as to brand; 35 to 38 percent ester, $3 to $3.05; 30 to 32 percent ester, $2.75 to 2.80.

Lemon.—Still very firm. Italian market and prices strongly maintained. Absence of normal offerings fails of much effect locally. California oil supplying all requirements at attractive price.

Lime.—Demand gains moderately. Prices show firmer position.

Mace.—Steadier. No further price recession. Fair demand. Deliveries still moderately delayed in some quarters.

Orange.—All demand met promptly. Stocks plentiful. Italian oil prices curtail consumer interest. Demand fair and seasonal.

Origanum.—Price range very wide according to sellers and quality. Selling at $1.10 to 1.80 per pound.

Pennyroyal.—Stocks low. Some dealers hold no imported or domestic oil. Prices close to nominal. Not much call.

Peppermint.—Firm market. Not very active except within jobbing limits. No shading of quotations. Country very firm.

Price Changes

Advanced

Bergamot, 50c. per lb.
Cajeput, 10c. per lb.
Cananga, 15c. per lb.
Erigeron, 25c. per lb.
Guaiacwood concrete, 30c. per lb.
Lavender, 35-38%, 25c. per lb.
30-32%, 25c. per lb.
Sweet birch, Southern, 10c. per lb.

Reduced

Tansy, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
105.5	103.3	103.4	68.8

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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Spearmint.—Firm but not very active. Prices well maintained at slightly higher level of $2.20 to $2.30 per pound.

Tansy.—Small lots available at $6.15. Market virtually nominal.

Wormseed.—Very firm. Demand fair. Stocks moderate in size. Little competition.

Aromatic Chemicals

Acetophenone.—Demand moderate but steady. Prices well held.

Amylphenyl Acetate.—Call irregular. Price firmness not affected.

Anethol.—Still steady in price and demand. Conservative quantities in request.

Anisic Aldehyde.—Very steady. Demand moderate but well maintained. Prices firmly held.

Benzaldehyde.—Gain in demand maintained. Movement indicates firm, solid market position.

Benzophenone.—Increase in inquiry and small gain in sales. Prices steady.

Benzyl Acetate.—Prices firm. Undertones show considerable strength. Fair demand.

Benzyl Alcohol.—Movement steady in conservative quantities. Prices well supported.

Benzyl Benzoate.—Volume sustained at recent levels. Market and prices very steady.

Benzyl Formate.—Trade conservative. No price unsettlement. Reserves fair in size.

Benzyl Isoeugenol.—Still firm under moderate request. Competition negligible.

Benzyl Propionate.—Prices well supported by steady demand and moderate stock reserves.

Benzyl Salicylate.—Undertones steady and prices well stabilized. Demand along normal lines.

Benzylidenacetone.—Some have raised prices. Others quote unchanged. Not much change in consumption.

Bornyl Acetate.—Still steady. Stocks at low levels. Prices firm.

Cinnamic Alcohol.—Some gain in inquiry and sales. Prices remain well stabilized.

Cinnamic Aldehyde.—Some falling off in spot request. Orders indicate jobbing need. Prices steady.

Citronellal.—Movement fair in competitive market. No price change.

Citronellol.—Movement fair to good. Consists usually of conservative needs. Prices favorable.

Citronellyl Acetate.—Demand irregular. Jobbing orders the rule. Prices show stability.

Citronellyl Butyrate.—Steadier. Less tendency to shade. Fair request.

Bristol-Myers Presents Club House to Hillside Employees

More than 750 persons were present recently when officers and directors of the Bristol-Myers Company presented a large, fully-equipped club house to the Bristol-Myers Association, a social organization of employees at its Hillside, N. J., plant. Speakers included Governor A. Harry Moore, Henry P. Bristol, president of the company; William M. Bristol, jr., vice-president in charge of operations; Earl A. Means, vice-president in charge of sales; and Walter L. Bomer, vice-president in charge of the export department. Lee H. Bristol, vice-president, acted as master of ceremonies.

Otto Utz has been named manager of the Chicago office for Rifa New York, Inc., aromatic products, this city.

Petroleum Solvents Lubricants, Fuels

Diminished Export Demand Causes Reduction in Petrolatum —Solvents and Diluents in Better Call — Kerosene Advanced in Midcontinent—Gasoline Unchanged

Quotations on all grades of petrolatum were reduced last week. The reductions were the result of a diminution of export demand for the various grades, coupled with the fact that refiners had caught up with production and supplies were more plentiful. Petroleum solvents and diluents were in a better market position due to a much better demand for paint materials and rubber solvent. White mineral oils were unchanged and normal. A much more active market for tractor fuels and strength in kerosene featured the Midcontinent refining centers. The strong demand caused an advance in kerosene quotations. Bad weather retarded the market for gasoline, although prices were unchanged. Light heating oils were slacker.

Price Changes

Advanced

Kerosene, 1/8c. per gal., basis group 3.

Reduced

Petrolatum, amber, 1/2c. per lb., basis N.Y.
extra amber, 5/8c., per lb., basis N.Y.
white, cream, 3/4c. per lb., basis N.Y.
lily, 3/4c. per lb., basis N.Y.
snow, 3/4c. per lb., basis N.Y.

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Cleaners' Naphtha.—Better demand. Shipments heavier. Price firm.

Lacquer Diluent.—Broader interest reported. Spot demand up. Price unchanged and steady.

Petroleum Thinners.—Greater buying interest. Inquiries more numerous. Shipments heavier. Prices unchanged and firm.

Rubber Solvent.—Shipments to tire manufacturers at high level. Spot demand good. Price steady.

Stoddard Solvent.—Slight pick-up in sales reported. Price firm.

V. M. & P. Naphtha.—Paint makers more active purchasers. Inquiries better. Price firm.

Markets at Other Centers

Chicago—April 18

Demand is fairly good for petroleum diluents and solvents. Prices are quite steady. Ruling prices in tankcar lots, f.o.b. Group 3, are:—Blending naphtha, 4c. to 4 1/2c. per gallon; cleaners' naphtha, 6 7/8c. to 7c.; petroleum spirits, 5 7/8c. to 6c.; rubber solvent, 6 7/8c. to 7c.; lacquer diluent, 7 7/8c. to 8c.; v.m. & p. naphtha, 6 7/8c. to 7c.

New Orleans—April 18

The market was firmer. Demand for paint products was better. Current quotations were:—

CLEANING SOLVENT.—Boiling range 225/350, gravity 53, 6 3/4c. delivered New Orleans in tankcars.

V.M. & P. NAPHTHA.—Boiling range 175/425, gravity 48, 6 1/2c. delivered New Orleans in tankcars.

Tulsa—April 18

A broader demand from the paint manufacturers and tire-makers was quite noticeable this week. There was also a better demand from cleaning trade. The tone of the market remained steady to firm with quotations unchanged for all materials.

Lighter Fractions

Butane.—In good demand. Market tight. Prices firm to strong.

Hexane. — Market firmer. Demand still light.

Pentanes.—Routine but normal for this time. Price firm.

Propane.—Buying interest still good. Price firm.

Petrolatums and Waxes

White Mineral Oils.—Demand slightly better. Shipments normal. Prices firm.

Petrolatum.—Amber grade was reduced 1/2c. per pound; extra amber lowered 5/8c. per pound, and cream, lily and snow white grades were dropped 3/4c. per pound. New prices were:—Amber, 3 1/4c. per pound for car lots and 4 1/4c. for smaller quantities; extra amber, 3 3/8c. and 4 3/8c. per pound; cream white, 4 1/2c. and 6c. per pound; lily white, 5 1/2c. and 7c. per pound, and snow white, 6 1/2c. and 8c.

Paraffin.—Little of new interest was reported. Prices on crude scale material were unchanged. Demand was fair. Refined products were firm and in good demand.

Chicago—April 18

A fairly good interest continues to be reported in refined petroleum wax, but buying is confined to limited quantities. Offerings are not overly large. Ruling prices are:—122-124, 6.10c. to 6.15c. per pound; 125-127, 6.10c. to 6.15c.; 127-129, 6.35c. to 6.4c.; 130-132, 6.65c. to 6.7c.; 132-134, 6.9c. to 6.95c.

Tulsa—April 18

A better demand for crude scale wax has developed, but quotations remained unchanged. The improvement in the Eastern market was reflected in more inquiries. The 124-26 American crude remained at 5 1/4c. to 5 1/2c. per pound.

Fuels and Lubricants

Gasoline.—Demand was improving slowly, being held back by bad weather. Undertone of market easy due to large stocks. Prices unchanged.

Kerosene.—Very firm and in good demand in Metropolitan New York. Prices steady.

Fuel and Gas Oils. — Heavy fuel prices were slightly easier. Quoted price was maintained, although there were reports of shading. Heating oils in less demand but prices firm.

The State of the Petroleum Market

Both crude oil and gasoline prices were unchanged last week.

	April 19	April 12	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.2095	$1.2095	$1.147
Gasoline prices at refineries (at four refining centers) per gallon.....	.0520145	.0520145	.0484375

Lubricating Oils. — Pennsylvania bright stocks and neutrals in slightly better demand. Undertone of market still soft. Prices unchanged.

Markets at Other Centers

Chicago—April 18

The tankcar petroleum market is fairly steady, with demand for gasoline gradually expanding in response to the season. Feature of the market is the strength in kerosene, with stocks low and buying brisk. Demand for heating oils is holding on quite well. Domestic fuels are steady.

GASOLINE.—Low octane motor, 4c. to 4 1/8c. per gallon; 63-66 octane motor, 4 3/8c. to 4 1/2c.; 72-74 octane motor, regular, 4 3/4c. to 4 7/8c.; 60-62, 400, 4c. to 4 1/8c.; 64-66, 375, 4 1/4c. to 4 3/8c.; 68-70, 360, 4 1/2c. to 4 3/4c.

KEROSENE.—42-44, water white, 4 1/8c. to 4 1/4c. per gallon; 41-43, water white, 4c. to 4 1/8c.

FURNACE OILS.—Range oil, 3 3/4c. to 3 7/8c. per gallon; No. 1 prime, 3 5/8c. to 3 7/8c.; No. 1 straw, 3 1/2c. to 3 3/4c.; No. 2 straw, 3 3/8c. to 3 5/8c.; No. 2 dark, 3 1/4c. to 3 1/2c.; No. 3, 3 1/4c. to 3 3/8c.; 32-36, dark, industrial gas oil, 2 5/8c. to 2 7/8c.

New Orleans—April 18

Again reflecting a steady trend, the domestic market experienced no price changes during the past week. U. S. motor gasoline was quoted at 5 1/4c.; 63-67 octane at 5 1/2c. and 70-72 octane at 6c. The price of kerosene remained unchanged at 7 3/8c. per gallon.

Bunker C fuel oil was quoted at 90c. per barrel at terminal and 95c. per barrel delivered alongside, while industrial plants in this vicinity were quoted at $1.36 per barrel, delivered alongside.

Tulsa—April 18

Demand for tractor fuels has become a dominant market feature. Inquiries are active for kerosene and tractor distillates, which are the main fuels, and there is an extraordinary demand for third grade gasoline which is also used in agricultural work. There has been no important changes in inventories of gasoline. There was flurry in the buying of domestic fuels due to freezing temperatures over most of the Midwest for several days. With the exception of some easiness in heavy fuel prices and lubricating oils, together with a strong kerosene market which caused several plants to increase their quotations 1/8c. per gallon, prices this week were unchanged.

GASOLINE.—U. S. motor third grade, 3 5/8c. to 4c. per gallon; 63-66 octane, 3 3/4c. to 4 1/8c.; 67-69 octane, 4 1/4c. to 4 1/2c.; 72-74, 4 5/8c. to 4 7/8c.

KEROSENE.—The 41-43 grade is 4c. to 4 1/8c. per gallon and the 42-44 grade is 4 1/8c. to 4 3/8c.

LUBRICANTS.—The market is easier, although the demand has broadened. Quotations are unchanged with bright stocks at 20c. to 26c. per gallon and neutrals at 11 1/2c. to 20c.

Petroleum Production—Motor Fuel Stocks

	Barrels 1940 Jan. 1-Apr. 20	Barrels 1939 Jan. 1-Apr. 20
Commercial crude oil production.....	389,347,024	365,783,340
	Week ended Apr. 20, 1940	Week ended Apr. 21, 1939
Daily average production.....	3,848,924	3,488,660
Bureau of Mines estimate.....	3,550,000	3,434,000
	Week ended Apr. 13, 1940	Week ended Apr. 6, 1940
Estimated motor fuel stocks.....	101,837,000	101,945,000
Estimated finished motor fuel stocks.....	95,313,000	95,008,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Highest quality
U.S.P. and Technical WHITE OILS
NAPHTHENIC ACID
CRESYLIC ACID
VISCOUS OILS (extremely viscous polymerized hydrocarbons)
CALODORANT GAS ODORANT
STANDARD OIL COMPANY OF CALIFORNIA
225 BUSH STREET, SAN FRANCISCO, CALIFORNIA
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

MASKING PERFUMES for BAD SMELLING PRODUCTS
• DEPENDABLE
• EFFECTIVE
• ECONOMICAL
JAVOLLAL — A substitute for citronella; imparts cleaner, finer odor.
METHALATE "C" — Replaces methyl salicylate in technical processes at low cost.
SAFRELLA — A low priced, effective substitute for artificial sassafras.
NEUTROLEUM — Completely neutralizes the odor of all preparations based on petroleum distillates.
Above deodorizing agents may be used in sprays, insecticides, germicides and other technical mixtures. Write for samples.
FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.

NICKEL FORMATE
Also NICKEL CATALYST - NICKEL CARBONATE
NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N.Y.

ALL GRADES SHEROLATUM GUARANTEED QUALITY
The IMPROVED PETROLATUM U.S.P.
To meet all the special requirements for Pharmaceutical, Cosmetic and Industrial Purposes.
SHERWOOD Petroleum Company Inc. REFINERS OF PETROLATUMS AND WHITE OILS
REFINERY, WARREN, PA. MAIN OFFICE ENGLEWOOD, N. J.

Industrial Uses of Chemicals and Related Materials

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Producers' Guide to New Markets Technical Information for Processors

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(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Benzyl Abietate

(Abietate de Benzyle, Abietato de Benzil, Abietato di Benzile, Abietinsaures Benzylester, Benzylabietat)

Adhesives

Softener and plasticizer in—
- Adhesive compositions containing nitrocellulose and resins

Ceramic

Softener and plasticizer in—
- Compositions, containing nitrocellulose and resins, used as coatings for protecting and decorating ceramic products

Chemical

Softener and plasticizer for—
- Nitrocellulose
- Resins

Cosmetic

Softener and plasticizer in—
- Nail enamels and lacquers containing nitrocellulose and resins as base material

Electrical

Softener and plasticizer in—
- Insulating compositions, containing nitrocellulose and resins, used for covering wire and in making electrical machinery and equipment

Glass

Softener and plasticizer in—
- Compositions, containing nitrocellulose and resins, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware

Leather

Softener and plasticizer in—
- Compositions, containing nitrocellulose and resins, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods

Linoleum and Oilcloth

Softener and plasticizer in—
- Linoleum coatings

Metal Fabricating

Softener and plasticizer in—
- Compositions, containing nitrocellulose and resins, used as coatings for protecting and decorating metallic articles

Miscellaneous

Softener and plasticizer in—
- Compositions, containing nitrocellulose and resins, used as coatings for protecting and decorating various articles

Paint and Varnish

Softener and plasticizer in—
- Paints, varnishes, lacquers, enamels, and dopes containing nitrocellulose and resins

Paper

Softener and plasticizer in—
- Compositions, containing nitrocellulose and resins, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp

Photographic

Softener and plasticizer in making—
- Films from nitrocellulose

Plastics

Softener and plasticizer in making—
- Laminated fiber products
- Molded products
- Plastics from nitrocellulose and resins

Resin

Softener and plasticizer for—
- Resins
- Resin-cellulose derivative compositions and solutions

Rubber

Softener and plasticizer in—
- Compositions, containing nitrocellulose and resins, used as coatings for decorating and protecting rubber goods

Stone

Softener and plasticizer in—
- Compositions, containing nitrocellulose and resins, used as coatings for decorating and protecting artificial and natural stone

Textile

Softener and plasticizer in—
- Compositions, containing nitrocellulose and resins, used in the manufacture of coated fabrics

Wood

Softener and plasticizer in—
- Compositions, containing nitrocellulose and resins, used as protective and decorative coatings on woodwork
- Plastic compositions, containing nitrocellulose and resins, used for many filling and repairing purposes on wood

---

4:4'-Dimethylaminodiphenylsulphone

Chemical

Intermediate (Brit. 490043) in making—
- Medicinal chemicals

Dye

Intermediate (Brit. 490043) in making—
- Dyestuffs

Fluotridecylic Acid

Disinfectant

Germicide (Brit. 453830) in—
- Disinfectant soaps

Glyceroldichlorhydrin

(Additional uses — supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

(Alcool de Dichlorisopropyle, Alcool Dichlorisopropylique, Alphadichlorhydrin, Alphadichlorhydrine, Alphapropenyldichlorhydrin, Bichloridrine di Glicerina, Bichlorhidrinos de Glicerina, Dichlorhydrin, Dichlorhydrine de la Glycerine, Dichlorhydrine Glycerique, Dichlorohydrin, Dichloroisopropyl Alcohol, 1:3-Dichloropropane-2-ol, 1:3-Dichloropropanol-2, Glycerin Dichlorhydrine, Glycerin Dichlorohydrin, Glyceryl Dichlorohydrin, Oelsussesdichlorhydrine, Scheele'sches Sussesdichlorhydrine)

(The commercial produce is a mixture of the two isomers, 1:3-dichlor-2-hydroxypropane and 1:2-dichlor-3-hydroxypropane, of which the former is present in a dominant amount)

Adhesives

Ingredient of—
- Adhesive compositions
- Celluloid cements

Solvent in—
- Adhesives compositions containing cellulose derivatives, gums, resins

Cellulose Products

Dispersing agent (U.S. 1392849) for—
- Cellulose esters

Ingredient of—
- Solvent mixtures for—
  - Cellulose acetate
  - Cellulose acetate (special) (U.S. 1165179, 1236578, 1265216, 1319229, 1338661, and 1386576)
  - Ethylcellulose (eighty or more proposed mixtures)
  - Ethylcellulose (special) (U.S. 1217027)
  - Nitrocellulose

Solvent for—
- Cellulose acetate
- Cellulose acetate (special) (U.S. 1245476 and 1420028)
- Cellulose esters and ethers
- Cellulose esters (special) (U.S. 1217027 and 1217028)
- Ethylcellulose
- Ethylcellulose (special) (U.S. 1188376, 1217027, and 1217028)
- Nitrocellulose (some types)

Solvent in making—
- Cellulose acetate (colloidal) (U.S. 1392849)
- Cellulose ether (U.S. 1502379)
- Cellulose formate (colloidal) (U.S. 1392849)
- Cellulose nitrate (colloidal) (U.S. 1392849)

Ceramic

Solvent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used as coatings for protecting and decorating ceramic products

Chemical

As a solvent which is—
- Colorless
- Compatible with many gums and resins
- Completely miscible with most organic solvents
- Miscible with vegetable oils
- Noninflammable
- Slightly viscous
- Soluble in water to the extent of 10 percent

Intermediate in—
- Organic syntheses

Solvent for—
- Cellulose acetate
- Ethylcellulose
- Ethylstarch and starch ethers (U.S. 1350820)
- Gums
- Nitrocellulose (some types)
- Resins
- Triphenyl phosphate (U.S. 1319229)

Starting point in making—
- Epichlorhydrin, with alkali or alkaline earth hydroxides or carbonates (Brit. 496709)
- Esters, such as acetic esters
- Organic bases by reacting with an alcoholic solution of ammonia (French 739699)

Cosmetic

Solvent in—
- Nail enamels and lacquers containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers as base material

Dye

Process material (U.S. 1489225) in making—
- Dyestuffs

Electrical

Solvent in—
- Insulating compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used for covering wire and in making electrical machinery and equipment

Fats and Oils

Ingredient (U.S. 1156119) of—
- Solvent mixtures for fats and oils

Glass

Solvent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Gums

Ingredient (U.S. 1156119) of—
- Solvent mixtures for gums

Solvent for—
- Gums

Ink

Solvent in—
- Rotogravure inks
- Stamppad inks
- Textile inks

Leather

Solvent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metal Fabricating

Solvent in—
- Compositions, containing natural or synthetic, resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used as coatings for protecting and decorating metallic articles

(To be continued)

Glycol Aldehyde

(Aldehyde Glycolique, Glycolal, Glycolic Aldehyde, Glycollic Aldehyde, Glykolal, Glykolaldehyd, Hydroxyacetaldehyde, Hydroxy Aldehyde, Hydroxyethanal)

Chemical

Reactant in—
- Organic syntheses

Photographic

Hardening agent (Brit. 463427) for—
- Gelatin

Octadecylamine

Chemical

Reactant in—
- Organic syntheses

Starting point in making—
- Emulsifying agents
- Various derivatives

Starting point (Brit. 457810) in making—
- Artificial waxes for polishes, carbon paper, stencils, and textiles by reacting with mixtures of—
  - Amines
  - Palmitic acid
  - Montanic acid
  - Stearic acid

Miscellaneous

Ingredient of—
- Dispersing, emulsifying, cleansing, and washing compositions used for various purposes

---

Pentachloromethyl Ether

Chemical

Reactant in—
- Organic syntheses

Military

As a military poison gas

Uses and Applications *of Chemicals and Related Materials* • A cloth-bound book of 665 pages (6 x 9 in.) containing information similar to that above on 5167 materials • **$10** **Postage paid in U. S. 39c postage elsewhere**

Fertilizer Materials

Broadening Demand Reported in General Fertilizer Market —Several Advances Made — No Reductions Reported — Sulphate of Ammonia Still in Good Call

The market for raw fertilizer materials began to show definite upward trends last week. Movement of finished supplies was heavier and as a result mixers were more interested in offerings of ingredients. The late season was still a handicap in certain sections, with muddy ground discouraging planting in many farming areas. Price revisions during the period were favorable to producers, all changes being advances. Included were blood, tankage, cottonseed meal and hoofmeal. Sulphate of ammonia was still in good call and other chemicals began to show improvement. Steamed bone meal was scarce.

Nitrogenates

Castor Pomace.—Deliveries better. Price steady.

Dried Blood.—New York and Chicago markets both advanced 10c. per unit to $2.85. Demand better.

Fish Scrap.—Last sales made at $3.25 and 10c. per unit on when-and-if-made basis.

Nitrogen Solution.—Market normal to firmer. Demand up.

Nitrogenous Material.—Better demand reported. Prices steady.

Nitrate of Soda.—Demand continued to broaden. Shipments heavier. Price firm.

Sulphate of Ammonia.—Market unchanged. Good export and domestic demand.

Tankage.—Ground and unground feeding material advanced 10c. per unit in New York to $2.75 and 10c. Fertilizer grade increased 15c. per unit in Chicago to $3 and 10c. and high-grade feeding material advanced 40c. per unit to $3.25 and 10c. Imported product was quoted at $3.25 and 10c. per unit, up 15c.

Urea. — Material was moving in slightly better fashion. Contract shipments were improved. Inquiries for future delivery were more numerous.

Potashes

Cottonseed Hull Ash.—Firm and unchanged. Demand normal.

Kainit.—Deliveries routine. Price firm and unchanged.

Manure Salts.—Markets still somewhat tight. Easier than previous week. Demand normal.

Muriate.—Supplies available and in slightly better demand. Prices firm.

Sulphate.—Stocks at low level. Sales curtailed.

Phosphates

Bone Materials. — Demand good. Steamed bone meal scarce. Prices firm and unchanged.

Phosphate Rock.—Market routine. Price steady and unchanged.

Superphosphate.—Better demand reported. Prices firm.

Sulphur and Pyrites

Delivery of crude sulphur in heavier volume. Inquiries better. Prices steady and unchanged. Imported pyrites shipments curtailed. Price nominal.

Markets at Other Centers

Atlanta—April 17

The market for fertilizer materials remains fairly active, although cold, wet weather continues to interfere with land preparation in the South. Cottonseed meal was advanced $1 per ton. Prices are:—

SUPERPHOSPHATE. — 52 cents per unit, interior producing points.

NITRATE OF SODA.—$27 per ton, port basis.

SULPHATE OF AMMONIA.—$28 per ton, port basis.

COTTONSEED MEAL.—8 percent grade, $31.50 to $32 per ton, Southeastern points.

BLOOD.—$2.85 per unit, Chicago; imported, $3, ports.

TANKAGE.—$3 and 10c., Chicago; imported, $3.25 and 10c., ports.

Baltimore—April 17

The general crude fertilizer material market continues unchanged, with inactivity marking the situation. The current quotations are as follows:—

FISH SCRAP.—No further sales of new scrap on a when-and-if-made basis have been concluded down Chesapeake Bay.

SUPERPHOSPHATE.—The nominal prices of $8.50 per ton for run-of-pile and $9 per ton for 16 percent milled and screened material are unchanged, with movement small and with buying hesitant.

DRIED BLOOD. — This organic is slightly stronger, with quotations at $2.85 per unit-ton.

TANKAGE.—A better tone characterized the situation, with last sales made at $2.75 and 10c. per unit-ton.

Chicago—April 17

A slightly better tone is reported in various grades of fertilizer materials. Inquiry has tended to pick up a little. Movement of material on orders is improved in a spotty fashion. Blood is in fairly good call. Bone materials have been in fair demand at steady to firmer prices. Tankage is a little more stable than recently.

BLOOD.—Principal grade, $2.85 per unit of ammonia.

TANKAGE.—High grade, feeding, $3.25 and 10c.; hoof meal, $2.35 to $2.50; liquid stick, $1.25 to $1.50.

BONE MATERIALS.—Ground, steamed bone, 1½ and 60 percent, $29 to $30; 3 and 50 percent, $30; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $34 to $35; beef cracklings, soft pressed, $35 to $40; pork cracklings, soft pressed, $47.50 to $50; hard pressed cracklings, per unit of protein, 67½c. to 72½c.

San Francisco—April 17

Spring weather is bringing out a flush movement of fertilizer materials and application is in full swing. New buying, however, continues light. Sulphate of ammonia is still in very light supply, if available at all. Ruling prices are:—

SUPERPHOSPHATE — Domestic, 78c. per unit in bulk, f.o.b. San Francisco Bay. Bags, 90c. per unit.

NITRATE OF SODA.—100-pound bags, $29 per ton; 200-pound bags, $28.30 per ton, both ex vessel or warehouse.

FISH MEAL.—California sardine meal, $51.50 per ton, San Francisco and $50 Monterey.

TANKAGE.—Unground fertilizer, wet rendered, domestic, $2.40 and 10c. per unit-ton, f.o.b. Northern California. Dry rendered, ground, 50%, $38.50 to $40 per ton, f.o.b. South San Francisco; unground, dry rendered, 65c. to 67½c. per unit of protein, f.o.b. South San Francisco.

Price Changes

Advanced

Blood, dom., 16-16½ percent ammon., 10c. per unit, f.o.b. N.Y.
high-grade grd., 10c. per unit, f.o.b. Chi.
Cottonseed meal, $1 per ton, Southeastern mills
Hoofmeal, 10c. per unit, f.o.b. Chi.
Tankage, grd., fertilizer, 10c. per unit, f.o.b. N.Y.
unground feeding, 10c. per unit, f.o.b N.Y.
fertilizer, 15c. per unit, f.o.b. Chi.
high-grade feeding, 40c. per unit, f.o.b. Chi.
imported, 15c. per unit, c.i.f. ports.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	67.0	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Air Reduction Co. Advances Crowe, Landis and Andrew

John J. Crowe, formerly manager of the apparatus research and development department of the Air Reduction Company, this city, has been appointed assistant to Herman Van Fleet, vice-president and operating manager. Mr. Crowe will direct the activities of the apparatus research and development department and will coordinate these activities with similar activities for the Wilson Welder & Metals Company. In addition, he will handle apparatus patent matters. H. E. Landis, jr., formerly assistant to Mr. Crowe, has been appointed manager of the apparatus research and development department. C. G. Andrew has been appointed manager of gas plants.

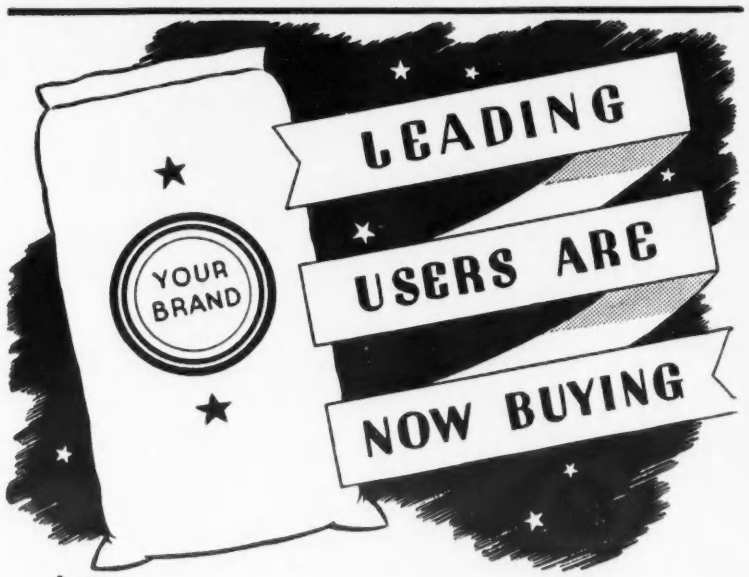
French Potash Co. Now French Potash & Import Co.

The French Potash Company, this city, has changed its name to the French Potash & Import Company. Spokesmen for the concern gave no reason for the change, merely stating that there would be no shift in personnel.

Netherlands Indies company has been granted permission by the government to prospect for phosphates in Sumatra.

SYNTHETIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

CRUDE SULPHUR
99½% PURE
Free From
ARSENIC, SELENIUM AND TELLURIUM
•
TEXAS GULF SULPHUR COMPANY
(INCORPORATED)
75 East 45th St., New York City
Deposits and Plants: Newgulf and Long Point, Texas



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Save money—replace more expensive containers with Fulton Waterproof Paper Lined Bags for shipping, storing chemicals, pigments and any products that require sift-proof and moisture-proof containers. Bags are cheaper, store more easily and save you freight.

If you are now buying Waterproof Paper Lined Bags, we can furnish you a bag second to none at a price that will interest you. Quick shipments from Atlanta, Georgia and St. Louis, Missouri. Please send us your requirements—prices furnished promptly.

FULTON BAG & COTTON MILLS
Manufacturers since 1870
ATLANTA ST. LOUIS NEW YORK NEW ORLEANS
MINNEAPOLIS DALLAS KANSAS CITY, KANS.

Shipping Information

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Imports at U.S. Ports

New York Imports

ALCOHOL METHYL—2 dms, E I Du Pont de Nemours Co, Cristobal

ALUMINUM FOIL—193 cs, Rohner, Gehrig & Co, Swiss
95 cs, F P Gaskell & Co, Swiss
178 cs, United States Line, Swiss
59 cs, F P Gaskell & Co, Swiss

AMMONIA SILICOFLUORIDE — 77 bgs, Jungmann & Co, Rotterdam
SULPHATE—700 bgs, Industrial Sales Corp, Antwerp

ANNATTO SEED—100 bgs, J B Long Co, Kingston

ANTIMONY MINERAL—746 bgs, Fleishman Burd & Co, Vera Cruz
ORE—866 bgs, W R Grace & Co, Antofagasta
3,193 bgs, W R Grace & Co, Antofagasta
964 bgs, Vera Cruz
357 bgs, New York & Cuba Mail S S Co, Vera Cruz
352 bgs, Banco Minero de Bolivia, Arica
728 bgs, J Henry Schroeder Banking Corp, Antofagasta
1,614 bgs, Cookson Lead & Antimony Co, Tampico

ASBESTOS—700 bgs, Raw Asbestos Distr, Beira
2,225 bgs, Johns Manville Corp, Capetown
1,334 bgs, Raw Asbestos Distr, Beira

ASPHALT—390 bgs, Caldwell & Co, Havana

BABASSU KERNELS—9,999 bgs, 600 tons, General Food Corp, Brazil

BARYTES—200 bgs, Stanley Doggett, Venezia
600 bgs, Whittaker, Clark & Daniels, Venezia

BONES—1,428 bgs, Bank of Buchanan, Buenos Aires
288 bgs, Bank of Buchanan, Buenos Aires
65 bgs, Analy Corp, Arica

BRISTLES—40 cs, Kane Import Corp, Hongkong
9 cs, Hongkong
223 bgs, Analy Corp, Arica

CALCIUM TARTRATE—741 bgs, Charles Pfizer & Co, Buenos Aires

CANAIGRE ROOT—393 bgs, New York & Cuba Mail S S Co, Vera Cruz

CANARY SEED—100 bgs, Catz American Co, Rotterdam
50 bgs, Biddle Purchasing Co, Rotterdam
50 bgs, Levy & Levis, Rotterdam

CARAWAY SEED—150 bgs, I Grob & Co, Rotterdam
200 bgs, R L Friedler, Rotterdam
100 bgs, Jewett & Sherman, Rotterdam
150 bgs, Levy & Levis Co, Rotterdam
50 bgs, Catz American Co, Rotterdam

CARBON DECOLORIZING—96 cks, R W Greeff & Co, Rotterdam
20 bgs, R W Greeff & Co, Rotterdam

CARDAMOM—10 dms, P H Petry & Co, Puerto Barrios
38 cs, P H Petry & Co, Puerto Barrios
91 tins, P H Petry & Co, Puerto Barrios

CAROB—20 bgs, 15 bskts, Barclay Bank, Larnaca
MEAL—400 bgs, S B Penick & Co, Algiers
200 bgs, T M Duche & Sons, Algiers

CASEIN—84 bgs, National City Bank, Buenos Aires

CASTOR BEANS—14,000 bgs, W R Grace & Co, Bombay
3,395 bgs, L Dreyfus & Co, Bombay
4,075 bgs, L Dreyfus & Co, Cocanada
1,366 bgs, I R Boody & Co, Cocanada
8,148 bgs, Baker Castor Oil Co, Cocanada
1,366 bgs, I R Boody & Co, Cocanada
4,074 bgs, Baker Castor Oil Co, Madras
1,450 bgs, I R Boody & Co, Mocambique

CHEMICALS—15 cks, Sandoz Chem Works, Genoa
4 cs, Italian Drug Import Co, Genoa
5 cs, Gane & Ingram, Swiss
17 cs, Firmenich & Co, Swiss
2 cs, National City Bank, Swiss
14 cs, Ratin Lab, Copenhagen
3 cs, Lederle Lab, Oslo
32 cs, Michel Export Co, Rotterdam
12 cs, E I du Pont de Nemours Co, Rotterdam
6 cs, E I du Pont de Nemours Co, Rotterdam

CHLOROPHYL—1 cyl, Sandoz Chem Works, Swiss

CINCHONA BARK—49 bgs, J L Hopkins & Co, Barranquilla
PRODUCTS—79 cs, R W Greeff & Co, Rotterdam
81 cs, R W Greeff & Co, Rotterdam

CINCHONINE SULPHATE—10 cs, New York Quinine & Chem Works, Rotterdam

COALTAR INTERMEDIATES—1 ck, Geigy Co, Swiss

COCOA BEANS—600 bgs, Guaranty Trust Co, Lisbon
500 bgs, La Guaira
200 bgs, Meyer & Co, Porto Cabello
331 bgs, Porto Cabello
500 bgs, W R Grace & Co, Guayaquil
300 bgs, Curacao Trading Co, Trujillo
250 bgs, Wood & Selick, Trinidad
679 bgs, Guaranty Trust Co, Lisbon
550 bgs, La Guaira
55 bgs, Pablo Calvert Co, Cristobal
611 bgs, Wessel, Kulenkampf & Co, Trujillo
1,381 bgs, Trujillo
500 bgs, J Armenteros, San Pedro De Macoris
1,919 bgs, Machado & Co, Sanchez
527 bgs, Gillespie & Co, Sanchez
1,389 bgs, Wessel, Kulenkampf & Co, Sanchez
900 bgs, Machado & Co, Porto Plata
300 bgs, Curacao Trading Co, Trujillo

COCOABUTTER, REFD—40 cs, R W Greeff & Co, Rotterdam

COCONUTS—250 bgs, Universal Import & Export Co, Kingston
917 bgs, General Food Corp, Kingston
100 bgs, Universal Import & Export Co, Kingston
300 bgs, I L Toledano Corp, Cristobal

COCONUT, DESIC—518 cs, Cooperative Coconut Prod, Inc, Manila
397 bgs, Cooperative Coconut Prod, Inc, Manila

COLORS—1 cs, Talens & Son, Rotterdam
ARTISTS—21 cs, Talens & Son, Rotterdam

EARTH—200 cks, American Hawaiian S S Co, Antwerp
30 cks, Smith Chemical & Color Co, Rotterdam

CORIANDER SEED—300 bgs, McCormick & Co, Casablanca

CORK—72 bgs, Mundet Cork Co, Lisbon
13 bls, Globe Shipping Co, Lisbon
8 bls Superintendence Corp, Casablanca

BOARDS—800 cartons, Ontario Cork Co, Algiers

DISCS—5 bgs, Mundet Cork Co, Lisbon
72 bls, Leixoes

FLOATS—50 bgs, H Suhl, Lisbon

SHAVINGS—122 bls, Wicander & Co, Lisbon
114 bls, H Suhl, Lisbon

SQUARES—1 bg, H Suhl, Lisbon

WASTE—610 bls, Lisbon
2,331 bls, H Suhl, Djidjelli
179 bls, H Suhl, Algiers
224 bls, Lisbon

WOOD—100 bls, Armstrong Cork Co, Lisbon
98 bls, Lisbon
378 bls, Lisbon
175 bls, Wicander & Co, Algiers
628 bls, Wicander & Co, Algiers
382 bls, New York & Cuba Mail S S Co, Algiers
287 bls, H Suhl, Casablanca
385 bls, Armstrong Cork Co, Djidjelli
2,422 bls, H Suhl, Djidjelli
180 bls, Armstrong Cork Co, Algiers
315 bls, Chase Natl Bank, Algiers
34 bls, Wicander & Co, Lisbon
110 bls, V M Calderon & Co, Lisbon
425 bls, New York & Cuba Mail S S Co, Lisbon
324 bls, Lisbon

CUMIN SEED—50 bgs, Meike & Co, Famagusta
150 bgs, I Harrison & Whitney, Famagusta
145 bgs, Kemp, Day & Co, Famagusta
50 bgs, Meike & Co, Famagusta
120 bgs, A G Dunn, Famagusta
80 bgs, G T German, Famagusta
198 bgs, Barclay Bank, Larnaca
50 bgs, Meike & Co, Larnaca
25 bgs, Kemp, Day & Co, Larnaca
63 bgs, Kemp, Day & Co, Casablanca
125 bgs, Archibald & Kendall, Casablanca

DEXTRIN, POTATO—250 bgs, Morningstar-Nicol, Rotterdam
SUBSTITUTE—100 bgs, Morningstar-Nicol, Rotterdam

DYES, ANILIN—13 bbls, Subox, Inc, Swiss
9 dms, Wedemann & Godknecht, Swiss
22 dms, Ciba Co, Swiss
30 cyls, Sandoz Chem Works, Swiss
38 cks, Geigy Co, Swiss
51 dms, 1 cs, Ciba Co, Swiss
19 cyls, 1 cs, Sandoz Chem Works, Swiss
286 dms, 96 pls, E I Du Pont de Nemours Co, Antwerp
22 cs, 8 bbls, E I Du Pont de Nemours Co, Antwerp

FENUGREEK SEED—150 bgs, S B Penick & Co, Casablanca
100 bgs, R H Elmaleh, Casablanca

FERRO ALLOY—121 bbls, Chase National Bank, Oslo

FLAXSEED—1,220 tons, 48,800 bus, Buenos Aires
1,021 bgs, 3,566 bus, Buenos Aires
509 tons, 20,360 bus, Buenos Aires
213 tons, 8,520 bus, L Dreyfus & Co, Buenos Aires
1,471 bgs, 3,230 bus, L Dreyfus & Co, Buenos Aires
871 bgs, 1,916 bus, L Dreyfus & Co, Concepcion De Uraguay
3,754 tons, 150,160 bus, L Dreyfus & Co, Concepcion De Uraguay
8,244 bgs, 18,136 bus, L Dreyfus & Co, La Plata
1,180 tons, 47,200 bus, L Dreyfus & Co, La Plata
486 bgs, 1,069 bus, Archer Daniels Midland Co, Buenos Aires
2,513,300 kilos, 100,532 bus, Archer Daniels Midland Co, Buenos Aires
2,679,000 kilos, 107,160 bus, Buenos Aires
5,849 bgs, 12,867 bus, Buenos Aires

FLIES DRIED—29 bgs, F W Pabst, Vera Cruz

FLUORSPAR—1,300 bgs, Carr Bros, Vera Cruz

GAMBIER—110 cs, E E Androvette, Singapore

GELATIN, POWDERED—100 bgs, T M Duche & Sons, Rotterdam
SHEET—65 bgs, T M Duche & Sons, Rotterdam

GLASS, PHOTO—150 cs, Traders Service Corp, Antwerp

WINDOW—252 cs, Semon, Bache & Co, Antwerp
100 cs, L Solomon & Son, Antwerp
25 cs, Traders Service Corp, Antwerp

GLUE—200 bgs, Transatlantic Animal By-Product Corp, Rotterdam

GREASE, WOOL—25 bbls, Hummel Chem Co, Antwerp
52 dms, E S & A Bank, Melbourne

GUM CHICLE—48 bls, Chicle Development Co, Puerto Barrios

COPAL—87 bgs, Stroock & Wittenberg, Manila

DAMMAR—80 cs, 800 bgs, S Winterbourne & Co, Singapore

LOCUST—50 bgs, Stein, Hall & Co, Lunasol
50 bgs, Paul A Dunkel & Co, Lunasol

YACCA—153 bgs, S Winterbourne & Co, Adelaide
1,313 bgs, Union Bank of Australia, Adelaide

HOOFS—231 bgs, Analy Corp, Arica

HORNS—170 bgs, Analy Corp, Arica

HERBS, MED—49 bls, Gondrand Shipping Co, Fiume

HOPS—30 cs, P A Gusmer, Antwerp

INFUSORIAL EARTH—500 bgs, Whittaker, Clark & Daniels, Oran

IRON OXIDE—40 bbls, New York & Cuba Mail S S Co, Malaga
200 bbls, Reichard-Coulston, Malaga
50 bbls, Isbrandtsen-Moller Co, Malaga
80 bbls, Reichard-Coulston, Malaga
125 bbls, Whittaker, Clark & Daniels, Malaga

KOLA NUTS—110 bgs, D Steengrafe, Kingston

LEMON JUICE—25 cks, J S Carulli, Palermo

PEEL—40 cks, Edenfruit Prod Co, Messina
13 cks, Irving Trust Co, Messina
67 cks, B M Reeves, Messina

LICORICE PASTE—30 cs, Wm M Allison & Co, Catania

LIVER MEAL—672 bgs, Brisbane
PASTE—13 pkgs, Westergaard Berg Johnsen, Oslo

MAGNESITE, CALCINED—100 bgs, Speiden, Whitfield Co, Rotterdam
250 bgs, National City Bank, Rotterdam
40 bbls, Innis, Speiden & Co, Rotterdam

CALC LUMP—1,500 bgs, Magnesite Syndicate Co, Madras
GRAIN—300 bgs, Magnesite Syndicate Co, Madras

MANGANESE ORE—100 bgs, E W Greenvy, Cristobal

MANGROVE BARK—648 bgs, Mombasa
EXTRACT—3,500 bgs, Saxe Cutch Corp, Sandakan

MARBLE, GRANULATED — 2,200 bgs, Colonna & Co, Venezia

MATCHES, SAFETY—285 cs, Biddle Purchasing Co, Mantyhiota

MICA, BLOCK—90 cs, O Girdau & Co, Calcutta
CUTS—22 cs, Eugene Munsell & Co, Calcutta
FILM—3 cs, East India Mineral Dev Syn, Calcutta
3 cs, East India Mica Works, Calcutta
SCRAP—25 cs, J Koppel, Buenos Aires
SPLITTINGS—20 cs, O Gerdau & Co, Calcutta
19 cs, East India Mineral Dev Syn, Calcutta
12 cs, East India Mica Works, Calcutta
120 cs, Mica Insulator Co, Calcutta
7 cs, Eugene Munsell & Co, Calcutta

MILLET SEED—100 bgs, National Bank of Asia, Melbourne

MINERAL SAND—1,048 bgs, Brisbane

MOLASSES—167,055 gls, American Molasses Co, Havana

MOLYBDENUM CONC—60 bgs, Tampico

NAPHTHALENE — 1,000 bgs, Hinrichs & Pearsall, Rotterdam
350 bgs, Dillons Chem Co, Antwerp
500 bgs, P R Kohler, Antwerp

NUTGALLS—394 bgs, Balfour, Guthrie & Co, Tripoli

OIL, ALMOND—5 cs, J Personeni, Genoa
BERGAMOT—25 cs, J Manheimer, Messina
40 half cs, Yardley & Co, Messina
40 qr cs, Citrus & Allied Essential Oil Co, Messina
CAMPHOR—21 cs, Dodge & Olcott Co, Hongkong
CARAWAY—2 dms, Dodge & Olcott Co, Rotterdam
COCONUT—6 dms, Dar Es Salaam
CODLIVER—100 bbls, Burroughs, Welcome & Co, Bergen
25 bbls, Vadsco Sales Co, Bergen
125 bbls, Eelsing & Lugtigheid, Bergen
ESSENTIAL—1 cs, Titan Shipping Co, Genoa
5 cs, New York & Cuba Mail S S Co, Rotterdam
EUCALYPTUS—9 dms, Magnus, Mabee & Reynard, Australia
FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao
GERANIUM—2 dms, Ungerer & Co, Algiers
20 dms, Ungerer & Co, Algiers
LEMON—13 cs, National City Bank, Messina
80 cs, W T Rawleigh Co, Messina
50 cs, Fritzsche Bros, Messina
50 cs, Norda Essential Oil & Chem Co, Messina
LINALOE—10 dms, Vera Cruz
1 dm, O A Von Gundlach, Vera Cruz
5 dms, F W Pabst, Vera Cruz
12 dms, F W Pabst, Vera Cruz
OLIVE—25 cs, G B Mannino, Palermo
25 cs, S Celona, Messina
24 cs, Inter Marine Forwarding Co, Catania
9 cks, Andrea Cannastraci, Catania
18 cs, Bari
75 dms, Manufacturers Trust Co, Lisbon
50 dms, Strohmeyer & Arpe Co, Mitylene
100 dms, Venice Import Co, Mitylene
100 dms, Schroeder Bros, Mitylene
80 dms, J Alban & Co, Mitylene
200 cs, A Makris & Bros, Mitylene
25 dms, A H Cory & Co, Yera
25 dms, B Spilliadis & Co, Yera
50 dms, J Gabriel, Yera
100 dms, Venice Import Co, Yera
100 dms, Gem Packing Corp, Yera
50 dms, Olive Oil Industry, Yera
75 dms, La Manna, Azema & Fornan, Tunis
400 cs, Armour & Co, Algiers
200 cs, Venancio Zabaletta Calle, Algiers
100 cs, New York & Cuba Mail S S Co, Algiers
500 cs, New York & Cuba Mail S S Co, Malaga
100 dms, R U Delapenha, Malaga
100 cs, Chase Natl Bank, Malaga
100 cs, Banca Commi Italian, Malaga
25 dms, J Henry Schroeder Banking Corp, Malaga
30 dms, Manufacturers Trust Co, Malaga
200 dms, Leghorn Trading Co, Malaga
300 dms, National Shawmut Bank, Malaga
50 dms, Panama Pacific Line, Malaga
8 cks, Bank of Napoli Trust Co, Palermo
35 cs, 9 cks, American Shipping Co, Palermo
10 cks, Bank of Napoli Trust Co, Palermo
100 dms, Gem Packing Co, Algiers
25 dms, Bonoil Packing Co, Algiers
50 cs, Bank of Napoli Trust Co, Malaga
25 dms, National City Bank, Malaga
10 dms, Manufacturers Trust Co, Malaga
10 dms, Irving Trust Co, Malaga
25 dms, 125 cs, Central Hanover Bank Trust Co, Seville
25 dms, Public Natl Bank, Seville
15 dms, Sterling Natl Bank, Seville
80 cs, New York & Cuba Mail S S Co, Seville
200 dms, Chemical Bank Trust Co, Seville
70 dms, National Bity Bank, Seville
PEPPERMINT—2 cs, National Distillers, Rotterdam
POPPYSEED—2 dms, Talens & Son, Rotterdam
ROSE—1 cs, Gondrand Shipping Co, Genoa
RUE—1 dm, Malaga

OIL, SHARK—3 dms, Ocean Leather Corp, Havana
VITAMIX—9 cs, Lederle Lab, Oslo

OPIUM—100 cs, New York Quinine & Chem Works, Istanbul
146 cs, Merck & Co, Istanbul

ORANGE PEEL—40 bls, Peek & Velsor, Catania
12 cks, Irving Trust Co, Messina
20 pkgs, Van Loan & Co, Catania

PAINT—39 cs, Rohner, Gehrig & Co, Oslo

PAPRIKA—625 bgs, Oran
122 cs, Seatrain Line, Seville

PATCHOULI LEAVES—17 bls, Givaudan Delawanna, Singapore

PEATMOSS—1,540 bls, Premier Peatmoss Corp, Copenhagen
4,985 bls, Premier Peatmoss Corp, Oslo
1,000 bls, Atkins & Durbrow, Rotterdam
225 bls, E Bremermann Co, Rotterdam
100 bls, Marine Midland Trust Co, Rotterdam

PERFUME, SYNTH—4 cs, Givaudan Delawanna, Genoa
5 cs, Lo Curto & Funk, Rotterdam

PIMENTO—34 bgs, Kingston

POPPYSEED—67 bgs, Jewett & Sherman, Rotterdam
200 bgs, C M Van Sillevoldt, Rotterdam
100 bgs, Reiss & Bernhard, Rotterdam
200 bgs, Knickerbocker Mills Co, Rotterdam
200 bgs, Catz American Co, Rotterdam
200 bgs, Rotterdam
150 bgs, I Grob & Co, Rotterdam
100 bgs, Knickerbocker Mills Co, Istanbul
100 bgs, Biddle Purchasing Co, Rotterdam
100 bgs, Wagner Bros Seed Corp, Rotterdam
100 bgs, A G Dunn, Rotterdam
100 bgs, Archibald & Kendall, Rotterdam
200 bgs, Catz American Co, Rotterdam
520 bgs, C M Van Sillevoldt, Rotterdam
1,150 bgs, Levy & Levis Co, Rotterdam
100 bgs, American Bluefriesveen, Rotterdam
150 bgs, Jewett & Sherman, Rotterdam

POTASH, NITRATE—5,000 bgs, Advance Solvents & Chem Co, Rotterdam
140 cks, Advance Solvents & Chem Co, Rotterdam
PRUSSIATE—60 bgs, American Cyanamid & Chem Co, Rotterdam

PYRETHRUM FLOWERS—236 bls, Trust Co of North America, Alegre

QUEBRACHO EXTRACT—2,150 bgs, Tannin Corp, Buenos Aires
1,050 bgs, International Product Corp, Buenos Aires
1,055 bgs, Tannin Corp, Buenos Aires
1,100 bgs, Guaranty Trust Co, Buenos Aires
4,793 bgs, Tannin Corp, Buenos Aires
3,700 bgs, International, Buenos Aires
6,571 bgs, Tannin Corp, Buenos Aires

QUICKSILVER—36 flasks, Chase Natl Bank, Vera Cruz
8 flasks, Mercantile Metal & Ore Corp, Vera Cruz
28 flasks, Chase Natl Bank, Vera Cruz
50 flasks, Chase Natl Bank, Vera Cruz
11 flasks, Chase Natl Bank, Vera Cruz
8 flasks, Wells, Fargo & Co, Vera Cruz
112 flasks, Chase Natl Bank, Tampico
86 flasks, Associated Metal & Mineral Co, Tampico

QUINCE SEED—54 bgs, E Meer & Co, Beirut

QUININE SULPHATE—20 cs, New York & Cuba Mail S S Co, Rotterdam

RUBBER ACCELERATOR—93 dms, 12 cs, E I Du Pont de Nemours Co, Antwerp

SAGE LEAVES—12 bls, Brookhattan Trucking Co, Bari

SARSAPARILLA ROOT—9 bls, Cuba White Star Line, Havana
10 bls, A Longeval, Tampico

SAWDUST—10 bgs, H Trefflich, Calcutta
400 bgs, State Chem Co, Rotterdam

SCHEELITE ORE—92 bgs, Mercantile Metal & Ore Corp, Buenos Aires
598 bgs, McAlister & Co, Penang

SEED, MED—6 bgs, R D Heins, Genoa

SHELLAC—200 bgs, E E Androvette, Calcutta
200 bgs, A Hurst & Co, Calcutta
200 bgs, 50 cs, E E Androvette, Calcutta

SOAP, SOFT—95 pkgs, Rohner, Gehrig & Co, Oslo

SODA NITRATE—13,410 bgs, Chilean Nitrate Sales Corp, Tocopilla
16,800 bgs, Chilean Nitrate Sales Corp, Tocopilla

SPONGES—18 bls, Drager Shipping Co, Nassau
3 bls, Nassau
13 bls, New York & Cuba Mail S S Co, Havana
16 bls, Havana
30 bls, Schroeder & Tremayne, Havana
46 bls, Gulf & West Indies Co, Havana
16 bls, Mantes Bros & Co, Havana
70 bls, Havana

SQUILL, RED—100 bgs, International Selling Corp, Algiers

STARCH, POTATO—50 bgs, Westergaard-Berg-Johnisen, Rotterdam
100 bgs, American Cyanamid & Chem Co, Rotterdam

STRONTIANITE—250 bgs, Mercantile Metal Ore Corp, Tunis

TANKAGE—20 bgs, Rich Prod Corp, Buenos Aires
500 bgs, Tupman, Thurlow & Co, Brisbane
MEATMEAL—1,048 bgs, Sydney

TARTAR—100 bgs, Charles Pfizer & Co, Bari
300 bgs, Charles Pfizer & Co, Bari
275 bgs, J P Morgan & Co, Lisbon
440 bgs, Standard Brands, Tunis
1,250 bgs, Leghorn Trading Co, Tunis
2,000 bgs, Standard Brands, Tunis
232 bgs, A Mevi, Catania
1,684 bgs, Standard Brands, Oran

TEAWASTE—500 bgs, Citro Chem Co, Calcutta
2,000 bgs, Citro Chem Co, Calcutta

UMBER, BURNT—28 cks, 6 bgs, Chase National Bank, Larnaca
24 cks, T H Deutz, Larnaca
28 cks, 22 bgs, Chase National Bank, Larnaca
CRUDE—459 bgs, J Lee Smith & Co, Larnaca
140 bgs, T H Deutz, Larnaca
435 bgs, J Lee Smith & Co, Larnaca

VALONIA EXTRACT—915 bgs, International Product Corp, Yera

VANILLA BEANS — 32 cs, Thurston & Braidich, Vera Cruz
30 cs, New York & Cuba Mail S S Co, Vera Cruz
68 cs, Vera Cruz
10 cs, J Manheimer, Inc, Vera Cruz
WATTLE BARK EXTRACT—541 bgs, Mombasa
WAX, BEES—23 bgs, Havana
14 bgs, D Steengrafe, Havana
40 bgs, H H Pike & Co, Havana
34 bgs, Havana
44 bgs, Lopez, Serrano & Co, Havana
57 bgs, D A Zorrilla, Tampico
19 serroons, Porcella, Vicini & Co, Puerto Plata
5 serroons, H H Pike & Co, Puerto Plata
10 bgs, Lenape Trading Co, Trujillo
100 bgs, Schutte & Focke, Trujillo
96 bgs, Wessel, Duval & Co, Santos
1 dm, National City Bank, Cristobal
25 bgs, New York & Cuba Mail S S Co, Vera Cruz
12 bgs, D Steengrafe, Havana
46 bgs, Simmonds & Grey, Alegre
164 bgs, Simmonds & Grey, Alegre
48 bgs, Brown Bros-Harrimann Co, Lisbon
13 bgs, Vera Cruz
CANDELILLA—1,267 bgs, M Arguso & Co, Tampico
WINE LEES—194 bgs, J P Morgan & Co, Lisbon
581 bgs, Lisbon
WOLFRAM CONC—400 bgs, Union Bank of Australia, Melbourne
53 bgs, Bank of New South Wales, Sydney
19 bgs, Chase National Bank, Brisbane
ORE—11 bbls, Mercantile Metal & Ore Corp, Leixoes
97 bls, Chase National Bank, Leixoes
22 bgs, T F Donnelly, Coquimbo
500 bgs, Royal Bank of Canada, Antofagasta
100 bgs, Mercantile Metal & Ore Corp, Buenos Aires
296 bgs, W R Grace & Co, Antofagasta
275 bgs, W R Grace & Co, Antofagasta
WOODFLOUR—200 bgs, B L Soberski, Oslo
750 bgs, Burnet Co, Oslo
500 bgs, State Chem Co, Rotterdam
ZIRCON SAND—1,200 bgs, Bank of New South Wales, Sydney

New York Transit Imports

CALCIUM TARTRATE—1,231 bgs, American Hawaiian S S Co, Algiers, San Francisco
CHEMICALS — 2 cs, H S Head, Genoa, Toronto
CORIANDER SEED — 200 bgs, American Hawaiian S S Co, Casablanca, Seattle
CORK, AGGLOMERATED—800 pkgs, Canadian National Railway, Casablanca, Toronto
DYES, ANILIN—7 cks, Geigy Co, Genoa, Toronto
ERGOT—9 cs, Eli Lilly & Co, Antwerp, Indianapolis
FLAXSEED—1,123 bgs, 2,470 bu, Buenos Aires, Baden, Ontario
434,000 kilos, 17,360 bu, Buenos Aires, Baden, Ontario
IRON OXIDE—40 bbls, American Hawaiian S S Co, Malaga, San Francisco
LAUREL LEAVES—10 bls, Scott Ba Thagate Co, Bari, Winnipeg
LEMON PEEL—20 cks, First National Bank, Messina, Chicago
OIL, COTTONSEED—623,379 kilos, Canada Packers, Ltd, Santos, West Toronto
NEATSFOOT—25 dms, C Tennant Sons & Co, Sydney, Montreal
OLIVE—300 dms, D F Debernardi, Yera, San Francisco
100 dms, American Hawaiian S S Co, Malaga, San Francisco
25 dms, Industrial Trust Co, Malaga, San Francisco
100 dms, American Hawaiian S S Co, Malaga, San Francisco
OPIUM—159 cs, Mallinckrodt Chem Works, Istanbul, St Louis
6 cs, Sharp & Dohme, Thessaloniki, Philadelphia
2 cs, Parke, Davis & Co, Thessaloniki, Detroit
SAGE LEAVES—9 bls, Scott Ba Thagate, Bari, Winnipeg
20 bls, L & R Millen, Bari, Hamilton
SPONGES—22 bls, Havana, Buenos Aires
3 bls, Havana, Rio de Janeiro
12 bls, Havana, Montreal
40 bls, Havana, Paris
SUNFLOWER SEED—300 bgs, J C Mann, Buenos Aires, Montreal
TALLOW — 97 dms, Bank of New South Wales, Sydney, Halifax
274 dms, Bank of Asia, Melbourne, Halifax
238 dms, Bank of New South Wales, Melbourne, Halifax
388 dms, Bank of New South Wales, Adelaide, Halifax
ZIRCON SAND—300 bgs, Bank of New South Wales, Sydney, Cleveland

Baltimore Imports

AMMONIA PERCHLORATE—23 cs, Gothenburg
IRON ORE—9,460 tons, Leo J Buck, Inc, Narvik
16,500 tons, Bethlehem Steel Co, Daiquiri
MANGANESE ORE—4,200 tons, Calcutta
6,870 tons, Bethlehem Steel Co, Poti
7,600 tons, Bethlehem Steel Co., Durban
MOLASSES — 1,016,557 gls, Cuba Distilling Co, Barahona
402,729 gls, Cuba Distilling Co, Macoris
OIL, FUEL—80,000 bbls, Standard Oil Co of N J, Aruba
OLIVE—100 dms, Calamata
361 dms, Seville
PEATMOSS—1,147 bls, Rotterdam
POTASH SULPHATE—8,500 bgs, Antwerp

Boston Imports

OIL, COCONUT—45 dms, Iloilo
OLIVE — 25 dms, Industrial Trust Co, Malaga
25 dms, First National Bank, Malaga
50 dms, Industrial Trust Co, Seville
POTASH NITRATE—226 bgs, Advance Solvents & Chem Co, Rotterdam
500 bgs, Advance Solvents & Chem Co, Rotterdam

Los Angeles Imports

AGAR—690 lbs, Kobe
AMMONIA, PHOSPHATE—582,400 lbs, Trail
SULPHATE—224,000 lbs, Trail
ANISE—60 lbs, Hongkong
CANARY SEED—21,640 lbs, Buenos Aires
CASTOR BEANS—229,060 lbs, Calcutta
CASSIA—4,480 lbs, Hongkong
CHEMICAL SALTS—120 lbs, Yokohama
CHILLIES—2,500 lbs, Kobe
COALTAR, CRUDE—75,000 lbs, London
COCONUTS—14,000 lbs, Colon
COPRA, MEAL—1,344,000 lbs, Manila
EGG YOLK—11,200 lbs, Tientsin
FISH LIVERS—101 tins, 4,040 lbs, Japan
140 tins, 5,600 lbs, Kobe
51 tins, 2,040 lbs, Japan
200 tins, 8,000 lbs, Yokohama
FLINT PEBBLES—56,000 lbs, London
GLUE, ASPHALT—5 cs, 350 lbs, Copenhagen
IRON OXIDE—5,000 lbs, Manchester
LEAVES, MED—20 lbs, Yokohama
MATE—2,200 lbs, San Paulo
MOSS, CRUDE—4,410 lbs, London
MEDICINAL PREPS—130 lbs, Kobe
470 lbs, London
4 lbs, London
70 lbs, Kobe
10 lbs, Yokohama
60 lbs, London
OCHER—200 lbs, Genoa
OIL, CHINAWOOD—63,000 lbs, Hongkong
OITICICA—50 dms, 22,050 lbs, Rio de Janeiro
OLIVE—72 dms, 31,750 lbs, Athens
SESAME—130 lbs, Hongkong
ORANGE PEEL—260 lbs, Hongkong
PEANUT MEAL—400,000 lbs, Tsingtao
PEPPER, BLACK—25 bgs, 2,760 lbs, Mexico
RICE FLOUR—500 lbs, Yokohama
1,280 lbs, Yokohama
SARDINE MEAL—336,000 lbs, Kobe
SESAME SEED—150 lbs, Yokohama
480 lbs, Kobe
150 lbs, Yokohama
100 lbs, Yokohama
SOAP, TOILET—280 lbs, Paris
SOYBEANS—300 lbs, Yokohama
STARCH—150 lbs, Kobe
RICE—790 lbs, Hongkong
TANKAGE—20,000 lbs, Shanghai
TAPIOCA FLOUR—2,250 lbs, Hongkong
TOILET PREPS—150 lbs, Yokohama
3 lbs, Paris
60 lbs, London
170 lbs, Kobe
WAX, SPERMACETI—1,200 lbs, Glasgow

Norfolk Imports

COCOA BEAN RESIDUE—6,250 bgs, Guaranty Trust Co, Antwerp

Philadelphia Imports

ASBESTOS, CRUDE—1,834 bgs, Raw Asbestos Distributors, Ltd, Beira
BAUXITE ORE—2,305 tons, Paramaribo
CORK, VIRGIN—7,288 bls, Armstrong Cork Co, Sines
1,094 bls, Armstrong Cork Co, Lisbon
WASTE — 8,003 bls, Armstrong Cork Co, Sines
10,805 bls, Armstrong Cork Co, Lisbon
CHROME ORE—3,300 tons, Mersin
753 tons, Philadelphia National Bank, Lourenco Marques
3,000 tons, Mersin
CHALK—1,000 bgs, Antwerp
CORIANDER SEED—100 bgs, Casablanca
MACE—15 cs, Macassar
MUSTARDSEED, WHITE — 125 bgs, R T French Co, Rotterdam
YELLOW — 500 bgs, Catz American Co, Rotterdam
MOLASSES—1,230,000 gls, E I duPont de Nemours & Co, Inc, Nuevitas
1,206,690 gls, Publicker Alcohol Co, Boqueron and Antilla
NUTMEGS—133 bgs, Banda
OIL, PALM—320 tons, Belawan Deli
OSSEIN—1,888 bgs, Kind & Knox Gelatine Co, Antwerp
PHOSPHATE, PRECIP—325 bgs, Chase National Bank, Antwerp
PETROLEUM, CRUDE—71,027 bbls, Gulf Oil Corp, Puerto la Cruz
31,336 bbls, Gulf Oil Corp, Puerto la Cruz
121,848 bbls, Gulf Oil Corp, Puerto la Cruz
TAPIOCA FLOUR—501 bgs, New York Trust Co, Tjilatjap
VANILLA BEANS—2 cs, Batavia
WAX, CARNAUBA — 31 bgs, Philadelphia National Bank, Parnahyba
GASOLINE—1,275 dms, Manila; 61,531 bbls, Manila/Poro/Cebu; 11,255 bbls, Tokuyama; 7,000 bbls, Taku Bar; 21,025 bbls, Hongkong; 10,355 bbls, Haiphong; 10,355 bbls, Rangoon; 71,843 bbls, Sydney
GLUE—20 lbs, Manila
GUM, KARAYA—620 lbs, Manila
INK, PRINTING—10 lbs, Manila
INSECTICIDE, LIQ—150 ctns, 3,250 lbs, Manila
KEROSENE—725 dms, Manila; 146 dms, Haiphong; 8,995 bbls, Manila/Poro/Cebu; 6,426 bbls, Vancouver; 10,095 bbls, Sydney
LACQUER—11,880 lbs, Manila; 10 lbs, Hanoi; 700 lbs, Bombay; 13,700 lbs, Singapore; 30 lbs, Manila; 1,470 lbs, Lima
THINNER—60 lbs, Hanoi; 960 lbs, Bombay
LEAD, WHITE—1,000 lbs, Arroyo
LITHARGE—550 lbs, Hongkong
MAGNESIA CARBONATE—4,400 lbs, Buenaventura
MOLYBDENUM CONC—68,600 lbs, Havre
OIL, COTTONSEED, FLAKE—4,480 lbs, Singapore
DIESEL—1,835 bbls, Manila
FUEL—38,185 bbls, Cebu/Manila; 92,739 bbls, Manila/Hondagua
LUBRICATING—400 pkgs, Manila; 20 dms, Singapore; 20 ctns, Manila
PAINT—80 lbs, Singapore; 320 lbs, Hanoi; 60 lbs, Lima
THINNER—70 lbs, Hanoi
PETROLEUM, CRUDE—64,265 bbls, Vancouver; 75,288 bbls, Tokuyama
SOLVENT—89 dms, 4,950 lbs, Hongkong
POTASH IODIDE—100 lbs, Bombay
MURIATE—499,520 lbs, San Juan
SULPHATE—100,800 lbs, San Juan
PUTTY—50 lbs, Bombay
RED OXIDE—1,000 lbs, Hongkong
RUBBER COMP—350 lbs, Hongkong
SILICA—150 lbs, Manila
SODA ASH—40,000 lbs, Manila; 10,000 lbs, Panama City; 22,000 lbs, Buenaventura
BISULPHATE—4,000 lbs, Vancouver
SOLVENTS—2 dms, 600 lbs, Port Moody
TALC—500 bgs, 10,000 lbs, Manila
TOILET PREPS—1,730 lbs, Singapore; 80 lbs, Rangoon; 1,250 lbs, Bombay; 940 lbs, Santiago
VARNISH—20 lbs, Manila
DRIER—500 lbs, Victoria
ZINC OXIDE—100 lbs, Yokohama

New Orleans Exports

ALUMINA SULPHATE—428 tons, Cristobal
KEROSENE—50 cs, Puerto Cabezas
LARD—57 tons, Cartagena; 122 tons, Barranquilla; 43 tons, Puerto Limon; 89 tons, Cristobal; 10 tons, Puerto Barrios; 23 tons, Puntarenas; 10 tons, Panama City
OIL, DIESEL—725 bbls, Ceiba
FUEL—46 tons, Golfito; 187 tons, Quepos; 1,500 bbls, Ceiba
LUBRICATING — 23 tons, Cartagena; 49 tons, Barranquilla 25 dms, Puerto Cabezas
PINE—10 tons, Cristobal
PARAFFIN — 11 tons, West Coast, South America
ROSIN—40 tons, Cristobal 27 tons, Havana
SALT—156 tons, Havana
WAX—20 tons, Cristobal

Philadelphia Exports

ANTIKNOCK FLUID—1 dm, Casablanca
CLEANER—2 dms, Lisbon
FERROMANGANESE—15 dms, Rotterdam
GREASE, LUBRIC—20 bbls, Lisbon; 30 cs, 15 buckets, Casablanca
LARD—800 tubs, Stockholm
LICORICE PASTE—7 cs, Cheribon
OIL, CHINAWOOD—2 dms, Lisbon
CYLINDER—60 dms, Stockholm
LUBRICATING—101 dms, Singapore; 805 cs, 662 dms, Batavia; 180 cs, 425 dms, Bangkok; 460 cs, 53 dms, Medan; 115 cs, 11 dms, Menado; 107 cs, 10 dms, Padang; 106 cs, 17 dms, Macassar; 150 cs, 15 dms, Sibolga; 376 cs, 241 dms, Semarang; 746 cs, 346 dms, Soerabaya; 157 dms, Penang; 70 dms, Port Swettenham; 35 dms, Stockholm; 615 bbls, Fiume; 339 dms, Trieste; 1,723 dms, Trieste; 1,200 ctns, 156 dms, 503 bbls, Lisbon; 600 ctns, 1,000 dms, Casablanca; 165 dms, Rotterdam
MINERAL—600 dms, Stockholm; 140 dms, Genoa
PARAFFIN—150 dms, Lisbon
PINE—2 dms, Lisbon; 15 dms, Casablanca
PARAFFIN—840 bbls, Gothenburg; 100 bgs, Genoa; 3,400 bgs, Casablanca; 1,002 bgs, Dairen; 1,000 bbls, Tsingtao; 84 bbls, Rotterdam; 400 bgs, Leixoes; 400 bgs, Casablanca
POTASH, CAUSTIC—1 dm, Lisbon
PAINT—6 dms, 3 bxs, Lisbon; 6 bxs, Casablanca
LIQUID—49 ctns, 219 kits, Lisbon
PASTE—1 ctn, Lisbon
SODA, CAUSTIC—140 dms, Stockholm
TALLOW, ED—156 bbls, Lisbon
INEDIBLE—78 dms, Susak
TRIPOLI—15 bgs, Lisbon
VARNISH—26 kits, 2 dms, 4 ctns, Lisbon
VOLCANIC ASH—1 bg, Lisbon
WATER SOFTENER—65 bgs, Casablanca
WAX—510 bgs, Susak; 170 bbls, Genoa

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—1,454 bbls, San Diego; 3,378 bbls, San Diego; 17,967 bbls, Richmond; 25,707 bbls, Richmond; 9,562 bbls, Richmond; 4,083 bbls, San Diego; 738 bbls, San Diego; 1,461 bbls, San Diego; 32,836 bbls, Avon; 56,000 bbls, Portland
OIL, DIESEL—1,561 bbls, San Diego; 2,909 bbls, San Diego; 1,891 bbls, Richmond; 1,457 bbls, San Diego; 17,000 bbls, Portland
FUEL—67,287 bbls, Oleum; 239 bbls, Seattle; 15,029 bbls, Portland; 2,474 bbls, Portland
FURNACE—2,466 bbls, Richmond

Exports from U.S. Ports

Baltimore Exports

AMMONIA SULPHATE—584 tons, destination unknown
CEMENT, REFRACTORY—8 dms, Mombassa
ROOF—4 dms, Port Natal
OIL, LUBRIC—130 bbls, Rio Janeiro

Los Angeles Exports

ACID, BORIC—2,500 bgs, 28,000 lbs, Havre; 400 bgs, 44,800 lbs, Liverpool
SULPHURIC—4,550 lbs, Manila
ARSENIC, WHITE—11,200 lbs, Buenaventura
ASPHALT—54 dms, 26,880 lbs, Manila
LIQUID—528 dms, 224,000 lbs, Singapore/Port Swettenham/Penang; 38 dms, 19,650 lbs, Bombay
BLACK, LAMP—1,000 lbs, Victoria
BLUE, ULTRAMARINE—500 lbs, Hongkong
BORATE—1,220 bgs, 216,780 lbs, Havre; 7,880 bgs, 1,350,290 lbs, Liverpool
BORAX—20 bgs, 1,980 lbs, Manila; 6,700 bgs, 784,000 lbs, Havre; 2,599 bgs, 430,850 lbs, Yokohama; 150 cs, 15,000 lbs, Manila; 3,600 bgs, 403,200 lbs, Liverpool
CARBON TETRACHLORIDE—880 lbs, Manila
CHEMICALS—90 lbs, Hongkong
CLAY, FILTER—3,500 sks, 174,720 lbs, Havre; 140 sks, 7,000 lbs, Vancouver; 100 bgs, 30,000 lbs, Callao
CLEANER—1,000 lbs, Durban; 200 lbs, Manila
COLOR, DRY—10,250 lbs, Manila
COPRA—2,436 bgs, 277,780 lbs, Panama
COTTONSEED—5 lbs, Tokio
DIATOMACEOUS EARTH—70 bgs, 7,000 lbs, Manila; 40 bgs, 4,000 lbs, Vancouver; 1,227 bgs, 122,160 lbs, Havre
DYES, ANILIN—100 lbs, Panama City
EGG YOLK, DRD—4,400 lbs, London
ETHYL KETONE—234 dms, 85,640 lbs Havre
LACTATE—6 dms, 2,560 lbs, Hongkong
ETHYLENEGLYCOL MONOETHYLETHER ACETATE—2,150 lbs, Hongkong
FORMALDEHYDE—100 lbs, Yokohama

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Acetic Acid:—Hongkong; purchase and agency (6940).

Anilin Dyes:—Hamstad, Sweden; agency (6937).

Borneol: — Hongkong; purchase and agency (6940).

Chemicals: — Cairo, Egypt; agency (6952).

Chemicals, Industrial:—Cairo, Egypt; agency (6936).

Chemicals, Textile:—Hamstad, Sweden; agency (6937).

Cresylic Acid:—Hongkong; purchase and agency (6940).

Formaldehyde:—Hongkong; purchase and agency (6940).

Glycerin:—Hongkong; purchase and agency (6940).

Glues:—Cairo, Egypt; agency (6973).

Inks:—Cairo, Egypt; agency (6973).

Lanolin:—Saloniki, Greece; agency (6967).

Medicinals:—Alexandria, Egypt; purchase and agency (6974).

Paints:—Cairo, Egypt; agency (6952).

Paints:—Singapore, Straits Settlements; purchase (6965).

Pharmaceuticals: — Brussels, Belgium; purchase and agency (6981).

Pharmaceuticals:—Cairo, Egypt; agency (6936).

Pharmaceuticals:—Cairo, Egypt; agency (6952).

Phenol: — Hongkong; purchase and agency (6940).

Phthalic Anhydride:—Hongkong; purchase and agency (6940).

Pyroxylin Plastics:—La Bouveries, Belgium; purchase (6966).

Rennet:—Santos Dumont, Brazil; purchase (6953).

Rosin:—Durban, South Africa; agency (6934).

Rosin:—Paris, France; purchase and agency (6979).

Salicylic Acid:—Hongkong; purchase and agency (6940).

Soda Hyposulphite:—Salonki, Greece; agency (6967).

Stearic Acid:—Hongkong; purchase and agency (6940).

Tartaric Acid:—Hongkong; purchase and agency (6940).

Crude Oil Daily Output Up

Daily average gross crude oil production in the United States during the week ended April 13 amounted to 3,853,800 barrels, an increase of 108,800 over the 3,745,000 reported in the preceding week, according to the American Petroleum Institute. A gain of 100,050 barrels in the daily average output of Texas was the most important change.

Stocks of finished and unfinished gasoline in the United States at the end of the week amounted to 101,837,000 barrels, a decline of 108,000 from the total of the preceding week. A year ago these stocks aggregated 87,299,000 barrels. Finished gasoline stocks increased by 305,000 barrels to a total of 95,313,000, compared with 81,377,000 barrels on April 13, 1939.

Rubber Bearings Reviewed

The use of "Cutless" rubber bearings in industrial and marine applications is reviewed in a new booklet. "Cutless" bearings are manufactured by the B. F. Goodrich Company. An interesting section of the volume describes special bearings made with synthetic rubber to meet excessive oil or acid conditions; another on the use of the bearings in vertical and hydraulic turbine pumps and hydraulic turbines. A copy of the booklet may be secured by addressing Lucian Q. Moffit, Inc., Akron, O., national sales distributors of "Cutless" bearings, mentioning the REPORTER.

Dr. Deybe Wins Mendel Medal

Peter J. W. Deybe, Dutch chemist and physicist, has been named for the Mendel Medal, awarded annually by Villanova College to a Catholic scientist, according to an announcement by the Very Rev. Edward V. Standford, president of the college.

David A. Young, of the Sinclair Refining Company, has been re-elected president of the Chamber of Commerce of Wellsville, N. Y., the first man ever elected to two terms since the body was organized fifteen years ago.

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Business Wants and Offers

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Payable in advance at 59 John Street, New York

Agencies Wanted

AGENCIES WANTED: Established firm covering Pacific Coast industrial and agricultural markets would represent additional manufacturers. Expert chemical consultant at our disposal. Will arrange interview in Chicago or New York City. BOX 800, Oil, Paint and Drug Reporter.

NEW YORK JOBBING and importing firm established over twenty years is interested in securing new connections for the sale of raw materials, by-products or chemical specialties. BOX 807, Oil, Paint and Drug Reporter.

SALES REPRESENTATIVE, well-known in California. 20 years' experience. Wish to represent class A manufacturer only. K. F. Neumerkel, 2444 Leavenworth street, San Francisco, California.

Equipment Offered

FOR SALE:—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR SALE:—Practically new Hardinge conical rod mills, 4 6 ft. x 12 ft. and 1 4 ft. x 8 ft. Write for details and prices. Address Owner, BOX 815, Oil, Paint and Drug Reporter.

FIND what you want right in New York City. Pony mixer, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Company, 123 Bleecker street. SPring 7-8955.

JAR MILLS, 1 and 4 gals.; pebble mills, 50-gal., porcelain lined; 30-in. Shriver cast iron filter press; 18-in. Day mushroom mill; 15-gal. pony mixer. Lawler Engineering Company, Durham avenue and L. V. R. R., Metuchen, N. J.

Equipment Wanted

WANTED.—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. BOX 793, Oil, Paint and Drug Reporter.

WANTED TO BUY—Two Anderson or French oil mill expellers. BOX 836, Oil, Paint and Drug Reporter.

POWDER MIXER, used, with sifter, in good condition; about 500 pounds capacity. BOX 837, Oil, Paint and Drug Reporter.

Factories Offered

IDEAL CHEMICAL plant site, 200,000 sq. ft., all on one floor; plenty of height, abundance of water, railroad siding, steam plant. Ideal labor conditions; location Cranston, R. I. Will rent or sell on attractive terms. Inquire Owner, Consolidated Products Company, Inc., 13-18 Park Row, New York City.

BRICK FACTORY, two-story, 10,700 sq. ft., elevator, steam, main floor concrete, sprinkler system; unrestricted district in Brooklyn; low rent. The R. L. Kraft Company, Woolworth Building, New York City. COrtlandt 7-9377.

Factories Wanted

WANTED TO BUY—Going factory making specialty paints. Give all particulars as to items you manufacture, approximate amount of annual business, etc. State price. BOX 835, Oil, Paint and Drug Reporter.

Investment Offered

FIVE MILLION tons blue clay at Grassroot in Oklahoma running one ounce gold minimum to ton. Also, gallium—indium—cadmium, $50.00 to ton; 25 hundred dollars per day net profit. Capital required, fifty thousand dollars. BOX 834, Oil, Paint and Drug Reporter.

Manufacturing Wanted

OLD, WELL-ESTABLISHED, financially strong company is interested in expanding its manufacture of bulk materials used by the pharmaceutical, food and allied manufacturers. Such items may be in chemicals, in food ingredients, or products for technical use. The company possesses extensive manufacturing facilities and has capable technicians in its employ. It invites a response from chemists and other scientific men. Either employment, royalty basis, or purchase will be discussed where processes exist, based upon actual plant experience. Address replies in confidence to BOX 798, Oil, Paint and Drug Reporter.

Materials Offered

EXPORTERS:—We have available for prompt delivery chemicals, acetone and other solvents. Inquiries invited. BOX 827, Oil, Paint and Drug Reporter.

WE HAVE to offer South American products such as ipecac root, cinchona bark U.S.P., tonka beans, bayberry wax and balsam tolu, for immediate and future delivery. BOX 832, Oil, Paint and Drug Reporter.

DIGITALIS LEAVES, USP, 3,000 pounds, March 1940 production. Quote offer first wire. BOX 839, Oil, Paint and Drug Reporter.

Positions Vacant

SALESMAN WANTED for New England, upstate New York; following automotive parts dealers and/or industrial plants using lacquers. Handle line of lacquer solvents and specialties, as side line, on commission basis, for established firm. BOX 830, Oil, Paint and Drug Reporter.

SALESMAN WANTED—One thoroughly familiar with crude drugs from South America. Salary or commission basis. State qualifications. BOX 833, Oil, Paint and Drug Reporter.

UNUSUAL OPPORTUNITY exists in large company for man of superior qualities and having broad sales and technical knowledge of flavoring materials. Interviews will be arranged only if complete, detailed information is submitted for consideration. Replies will be considered as confidential and applicants should reply promptly to President, BOX 838, Oil, Paint and Drug Reporter.

Positions Wanted

ALL-AROUND SHADER: Paints, flats, enamels, etc. Would like to connect with reliable firm; first class reference. Will locate any place, own expense. Capable handling men, getting production. Eighteen years experience. Now employed. BOX 788, Oil, Paint and Drug Reporter.

SYNTHETIC PLASTICS and resins commercially developed by research chemist with fifteen years' experience in production and application and a record of achievement. Ph.D. BOX 819, Oil, Paint and Drug Reporter.

LACQUER MAN, color matcher, thoroughly experienced in various lacquer, synthetic coatings on paper, textile, leather, metals, wide-mesh fabrics, rubberized, latexed surfaces; best gloss artificial leather, metallic, tarnish-proof, collarlining, bias thermoplastic, elastic, shoe cap, windowshade, etc. BOX 812, Oil, Paint and Drug Reporter.

PAINT and varnish production man with many years of experience making white goods, architectural, industrial and full line of paints and varnishes, wants position; expert shader; has chemical and technical training. BOX 817, Oil, Paint and Drug Reporter.

MAN, experienced in production of lacquers and paints. Married, 43 years of age. Last job was foreman of lacquer factory for 10 years. Thoroughly versed in color matching, routing of orders and some laboratory testing. Desire to locate in Metropolitan area. BOX 825, Oil, Paint and Drug Reporter.

Positions Wanted

SALES REPRESENTATIVE — Eighteen years' experience with national manufacturers selling paints, varnishes, enamels, brushes. Large following dealer, painter and maintenance trade. Manhattan, New York territory last thirteen years. Any territory considered. BOX 828, Oil, Paint and Drug Reporter.

SALES EXECUTIVE, experienced, with a successful record of organizing and directing a sales organization. Proven ability by tangible results obtained in developing sales methods and productive sales plans. Adequate experience in both selling and sales management. Eight years' experience as an assistant salesmanager of a large pharmaceutical manufacturer. One year as salesmanager for a wholesale drug company. BOX 831, Oil, Paint and Drug Reporter.

CHEMIST wants position manufacturing adhesives, vegetable liquid glues, flexible glues. Tapioca-Dextrines cold water-soluble powders, textile softeners, soluble oils and tallows; or partner with capital. BOX 829, Oil, Paint and Drug Reporter.

Processes Offered

DUE TO other business, will turn over manufacturing process, machinery and patent licenses to party interested in caulking and sealing compounds. Good opportunity for someone to add these products to their line. BOX 826, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

Surplus Stock

WILL BUY.—Your surplus or off-grade chemicals, oils, waxes, pharmaceuticals, gums, by-products, residues. For quick action phone Mr. Gelb, WAlker 5-4250. Barclay Chemical Company, Inc., 75 Varick street, New York.

CHECK INVENTORIES! We purchase any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

HIGHER MARKETS—Sell now. Wanted—surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

SPECIALS

2—Devine 5 ft. x 33 ft. Rotary Vacuum Dryers.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.'s, 2 gal. to 2650 gal.
7—3-roll Roller Mills, up to 16 x 40.
12—Vacuum Shelf Dryers, all sizes.
12—Ball Mills, 10 gal. to 500 gal.
1—9 ft. Copper Vacuum Coil Pan
1—Laboratory Mikro Pulverizer
Many other attractive bargains.

2—Nickel Vacuum Stills, 300 gal., with motor driven agitators.
1—Proctor & Schwartz 3-truck Dryer, 720 sq. ft. heating surface.
1—Zaremba Triole effect Evaporator, 2100 sq. ft. per effect.
1—Louisville 5 ft. x 20 ft. Steam Tube Dryer.
1—5 ft. x 22 in. Hardinge Conical Ball Mill.
Send for illustrated bulletin.

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Very modern plant of
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Send for illustrated bulletins listing the equipment in these plants. Representative on premises. Arrange to inspect.

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Idle machinery ties up capital—takes up valuable space—and depreciates rapidly—turn yours into cash NOW! We want to buy Filter Presses, Kettles, Mixers, Dryers, Pulverizers, Grinders, etc.

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Corporation Earnings Recently Reported

	Period.	1940 Net income.	1940 Per share.	1939 Net income.	1939 Per share.
American Chicle Co.	3 Mos.	$910,932	$2.09	$866,366	$1.98
Canadian Industrial Alcohol Co.	6 Mos.	87,963	.08	116,812	.11
Celotex Corp.	3 Mos.	*194,865	...	*12,136	...
Chile Copper Co.	Year	10,533,377	2.39	12,907,459	2.92
Continental Oil Co.	Year	6,304,504	1.35	5,139,755	1.10
Coty, Inc.	Year	937,610	.61	636,402	.41
Garlock Packing Co.	Year	1,004,585	4.80	544,482	2.60
Eastman Kodak Co.	Year 1939	21,537,577	8.55	17,041,758	7.41
Ferro Enamel Corp.	3 Mos.	123,409	.53	148,689	.77
Greene Cananea Copper Co.	Year	1,422,399	2.84	763,952	1.53
General Foods Corp.	3 Mos.	4,310,045	.82	3,913,566	.75
Harbison-Walker Refractories Co.	3 Mos.	379,600	.25	207,500	.12
Johns-Manville Corp.	3 Mos.	781,681	.77	125,118	...
Lehn & Fink Products Corp.	3 Mos.	200,166	.50	232,307	.58
MacAndrews & Forbes Co.	3 Mos.	209,486	.59	186,065	.51
Mid-Continent Petroleum Corp.	Year	2,650,501	1.43	1,043,791	.56
Mathieson Alkali Works	3 Mos.	364,142	.39	161,947	.15
Shell Union Oil Corp.	Year	11,805,713	.70	11,318,421	.70

* Deficit.

Kaplan Petroleum Refining Patent Is Approved

The patentability of a process for "complete conversion of petroleum oils" has been upheld by the United States Court of Customs and Patent Appeals in a reversal of a decision by the Board of Appeals of the Patent Office. The process, developed by William Kaplan, includes the spraying of residue oils into a high-temperature stream of hydrocarbon vapor which passes through a heating coil, "in such a ratio to the vapor stream that the residue is instantly vaporized and the constituents therefor carried in intimate dispersion in the vapor stream."

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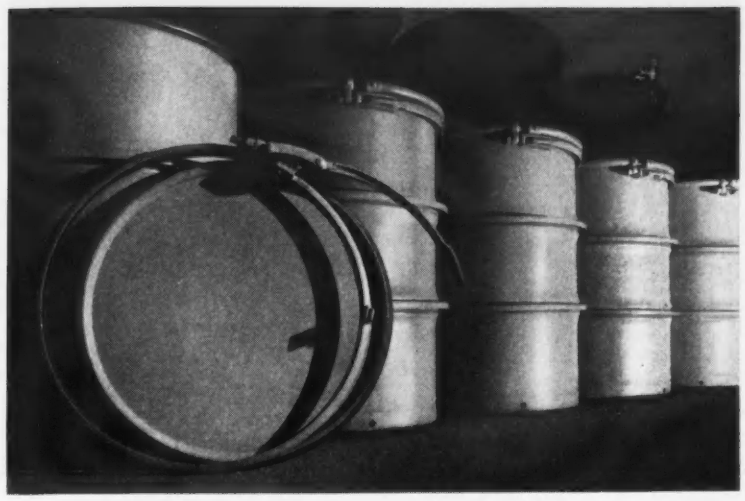

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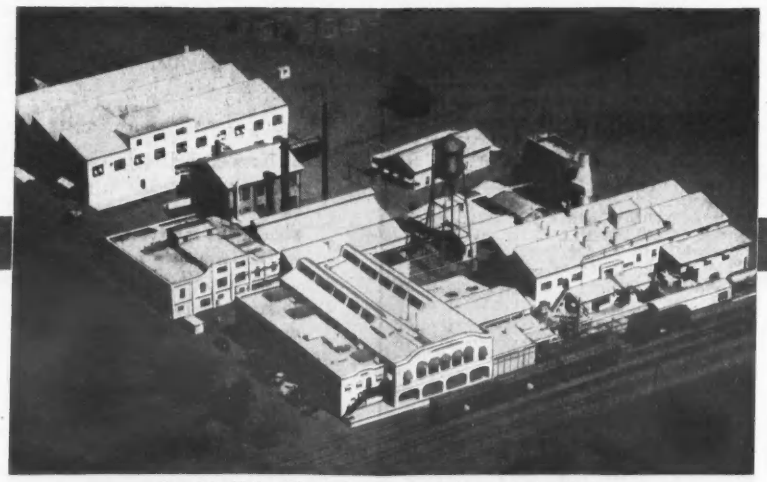

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